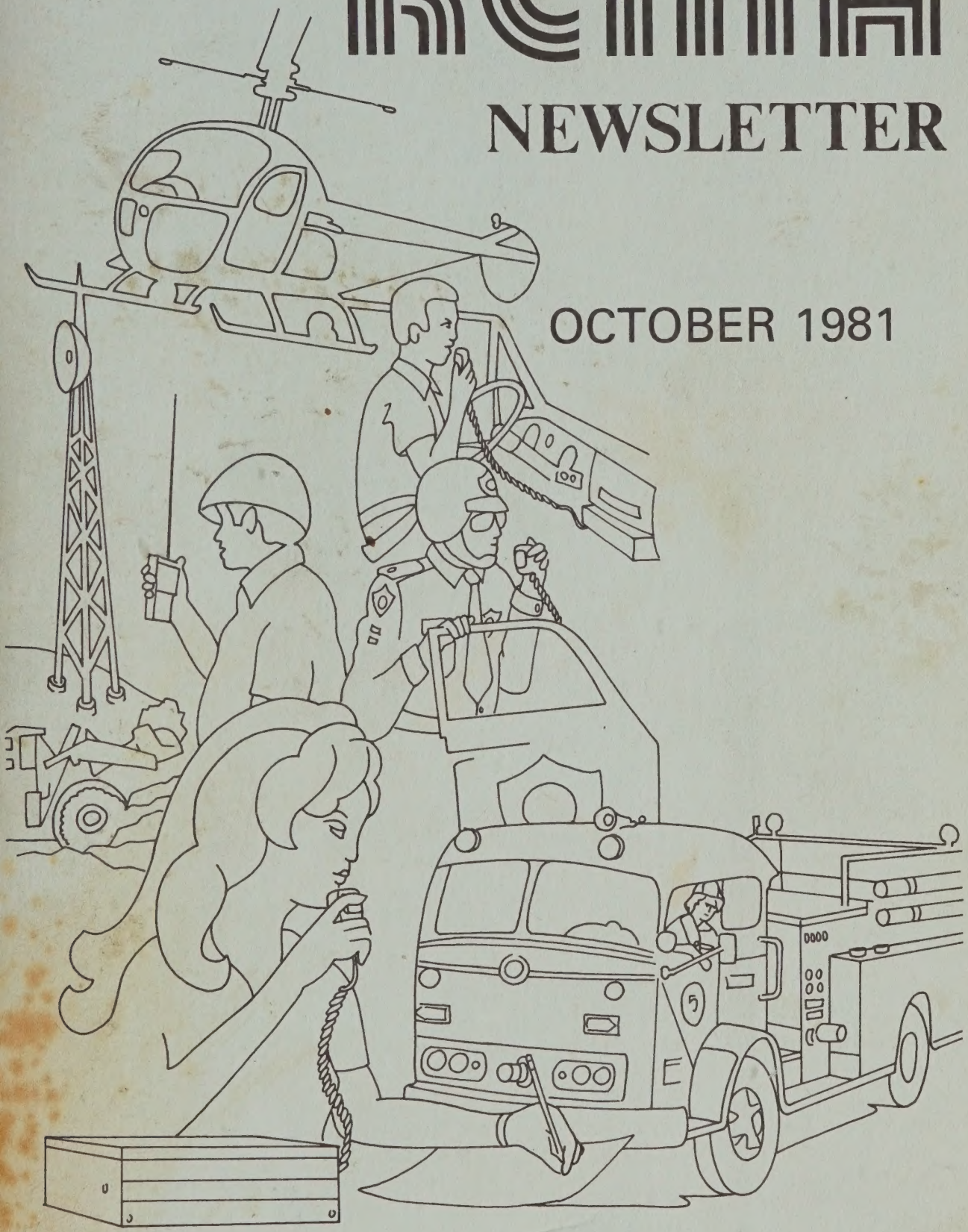
RCMA

NEWSLETTER



OCTOBER 1981

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RCMA NEWSLETTER

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A., P.O. Box 4563, Anaheim, CA 92803. This includes matters that relate to renewals, changes of address, newsletter delivery problems, etc.
2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, P.O. Box 1119, Flemington, NJ 08822.
3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA, P.O. Box 408, Earp, CA 92242.
4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.
5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.
6. Please write on only one side of the paper.
7. Please don't combine in one letter several items that should go to different addresses.
8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.
9. Your RCMA membership number and expiration date appear on your newsletter mailing label.
10. You may join or renew your membership for ONLY one year at a time.
11. The RCMA Newsletter accepts paid advertising. If you would like to place a paid ad, please write to the following address for our advertising guidelines: RCMA Newsletter, P.O. Box 4563, Anaheim, CA 92803.

RCMA NEWSLETTER
Issue 67 October 1981

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*ANOTHER NEW NEWSLETTER EDITORIAL ADDRESS:

P.O. Box 1119
Flemington, NJ 08822

EFFECTIVE IMMEDIATELY: All mail regarding the editorial content of the RCMA Newsletter now must be sent to the above address. The Willow Grove, PA, P.O. box has been closed and all mail for the following columns now must be sent to the Flemington address: ThoughtWaves, Your Thoughts, Business Etc., Communications Profile and Miscellany. The Flemington address also is to be used to contact me personally. As usual, all problems with newsletter delivery, membership and renewals should be sent to the Anaheim, CA, P.O. box. Thanks--CHUCK GYSI, Managing Editor.

The RCMA Newsletter is published monthly by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, P.O. Box 4563, Anaheim, CA 92803. Subscription rate/membership fee is $12.00 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$13.50; Europe—$14.50, South Pacific and Asia—$15.00. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA Newsletter editors and officers are not responsible for the accuracy or validity of information contained herein. RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

** Calendar **

Send notices of upcoming events for the Calandar section to John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803. Please send notices well in advance of the Newsletter deadline.

The R.C.M.A. supports scanning and scanner clubs. If your local R.C.M.A. scanner group is having a meeting, or if you are another radio club planning a meeting, send an announcement to the Calendar Editor and it will be sent to all members of R.C.M.A. Because of individual member requests and previous problems, the Board does not feel that sectional mailing lists should be distributed.

Greater L.A. Area R.C.M.A.

Board meetings are open to all members of R.C.M.A. They start at 7:30 PM, Now that we have separated labeling of the newsletter, the meetings will be devoted to R.C.M.A. policy and, of course, the latest scanner activities.

R.C.M.A. Working Sessions have been scheduled for the first Tuesday evening of each month. Any member of R.C.M.A. or visitor is welcome to attend and/or assist in the suffeling of papers and attempts to ascertain what went wrong with member X's subscription.

Oct	6	TUESDAY	7:30pm	Anaheim Branch Library, 1349 S. Euclid
Nov	3	TUESDAY	7:30pm	Anaheim Branch Library, 1349 S. Euclid
Dec	1	TUESDAY	7:30pm	Anaheim Branch Library, 1349 S. Euclid

Greater L.A. Area R.C.M.A. meetings David A. Heywood CALA001 Presiding

October 16 FRIDAY L. A. Area Meeting: Mercury Savings and Loan, Valley View and Lincoln Avenue, Buena Park, Ca. 8:00 PM
The Satellite Earth Station will be disucssed by Capt James Matheson of United Air Lines.

November 20 FRIDAY L. A. Area Meeting: Mercury Savings and Loan, Valley View and Lincoln Avenue, Buena Park, Ca. 8:00 PM
Scanning and the news media. Representatives from radio, TV, and newspapers will be present.

December 18 FRIDAY L. A. Area Meeting: Mercury Savings and Loan, Valley View and Lincoln Avenue, Buena Park, Ca. 8:00 PM
Emergency Desaster Radio will be the topic of discussion.

NEWSLETTER DEADLINES:

*** please note the newsletter deadlines refer to the month the newsletter is to be mailed. Not the date on the cover. Information submitted by November 9 will be mailed to members in December. The December mailing carries a January cover date to assist USPS in their speedy delivery.

October	5	MONDAY Newsletter deadline for "November" Newsletter.
November	9	MONDAY Newsletter deadline for "December" Newsletter.
December	7	MONDAY Newsletter deadline for "January" Newsletter.
1982		
January	4	MONDAY Newsletter deadline for "February" Newsletter.
February	8	MONDAY Newsletter deadline for "March" Newsletter.

Calendar continued

March	8	MONDAY Newsletter deadline for "April" Newsletter.
April	5	MONDAY Newsletter deadline for "May" Newsletter.
May	10	MONDAY Newsletter deadline for "June" Newsletter.
June	7	MONDAY Newsletter deadline for "July" Newsletter.
July	5	MONDAY Newsletter deadline for "August" Newsletter.
August	9	MONDAY Newsletter deadline for "September" Newsletter.
September	6	MONDAY Newsletter deadline for "October" Newsletter.
October	4	MONDAY Newsletter deadline for "November" Newsletter.
November	8	MONDAY Newsletter deadline for "December" Newsletter.
December	6	MONDAY Newsletter deadline for "January" Newsletter.

NEED BACK ISSUES?

Back issues are again available for sale to members in the lots indicated below. Please note that the RCMA Newsletter is a club newsletter. Because it reflects the growth of RCMA, early issues do not contain as many articles as do the current ones. The Newsletter has evolved from a few mimeo pages to its present format under the leadership of three great editors---Don Jones, Iden Rogers, and Chuck Gysi---and the contributions of club members.

The reproduction of the articles is quite readable. To cut costs and allow the possibility of binding all the reprints in a notebook, the format of later newsletters has been changed from saddle stitch to edge binding. This has changed the page order presentation, but not the content of the articles or the frequency lists.

To order: Using the information given below, send your requests to R.C.M.A., Bill Ell, Secretary, 2831 Hermanos St., Pasadena, CA 91107. Be sure to include your name, address, RCMA membership number (it is on your label), and your check or money order payable to R.C.M.A.

PRICES VALID UNTIL JANUARY 1982

Lots (Months/Year)	No. of Issues	Price
Sept 75 – June/July 76 (No Oct or Nov published)	7	$ 2.00
Aug – Dec 76 (No Oct published)	4	$ 3.00
Jan – June 77	6	$ 4.00
July – Dec 77	6	$ 4.00
Jan – June 78	6	$ 5.00
July – Dec 78	6	$ 5.00
Jan – June 79	6	$ 6.00
July – Dec 79	6	$ 6.00

********* 1980-81 R.C.M.A. Newsletter back issues are now available.

Price $1.50 per copy

Orders should be sent to:

R.C.M.A.
Bill Ell, Secretary
2831 Hermanos Street
Pasadena, Ca 91107

THOUGHT waves

Chuck Gysi, Managing Editor, P.O. Box 1119, Flemington, NJ 08822

Well, the Postal Service did us in again. You may have wondered why my columns did not appear last month. What happened was I mailed off my columns on time, but somehow, they got lost between here and the paste-up crew. And to make things worse, it was the first month I did not make photocopies of my columns, so needless to say, I'm going to try to reconstruct some of the columns.

Please note the new (again) mailing address. The Ringoes, NJ, post office box was only temporary until a box became available at Flemington, NJ, where I live now. Please send all newsletter material to the Flemington post office box now.

Where's Flemington, New Jersey? For those of you who have asked, Flemington, population 4,132, is located in rural Hunterdon County (it's the county seat) in Northwest New Jersey. It's about 50 miles equi-distant from Philadelphia and New York City. It's also about 20 miles north of Trenton, NJ. Because of the borough's many factory outlets and small stores, many tourists visit, especially on weekends. Flemington also is famous for having been the location of the Richard Hauptmann trial in the winter of 1934-35. Hauptmann was found guilty of kidnapping the son of famed aviator Charles A. Lindbergh.

In Philadelphia, there's a bill afoot in the City Council that would allow the possession of scanners, which currently is not allowed. In essence, Bill No. 615 (currently in the Committee on Public Safety, makes the radio receivers legal, but makes radios capable of transmitting on police or fire frequencies illegal.

Electra Co. (Bearcat) is working to have the bill moved along for a vote by the full council and recently met with Delaware Valley RCMA and REACT members in an effort to find persons capable of testifying before the council. Electra Co. also has hired an attorney in an effort to get the measure passed. Any Philadelphia area member who would like a copy of the proposed scanner law revision, please send me a business-size self-addressed, stamped envelope and I will see that you get a copy.

Our thanks to Tom Kneitel (NY-154) for mentioning RCMA in the July issue of S9/Hobby Radio magazine.

The big news in the scanner world is Bearcat's introduction of the BC100--the first programmable pocket scanner. By the time you read this, some folks may already have their units. The BC100 has 16 channels and covers all bands (except aircraft), including the 138-144 MHz military and 406-420 federal government bands. If the radio's receiver proves to be good, then the BC100 will become a bestseller.

Regency also has introduced a few new models in addition to the new pocket scanner they have been advertising. The D100 appears to be a base version of the M100 with essentially the same features. The D810 is Regency's new top-of-the-line scanner. It has 50 channels and includes FM broadcast band reception.

Beginning with the next edition, hopefully, we'll have a new hand in the newsletter. Ginny Slick (MD-012) has been appointed assistant editor for the RCMA Newsletter and will be helping out with various duties and columns. Ginny is very capable of the duties and we all look forward to working with her.

During the strike by members of the Professional Air Traffic Controllers Organization, scanners have been employed by union crews to monitor air traffic on the VHF aircraft band. Members have set up listening posts in some areas to keep tabs on those who have replaced them in the control towers.

In addition, there have been allegations by the federal government and current controllers that the striking factions have resorted to transmitting bogus calls to aircraft on tower frequencies.

YOUR THOUGHTS

P.O. Box 1119, Flemington, NJ 08822

To the editor:

During a recent meeting of the Chicago Chapter, most members supported the RCMA stand on not publishing sensitive frequencies. Some members even objected to the use of the Contact/Info Wanted column for the solicitation of sensitive frequencies. They fear that it only publicizes sensitive frequencies and places RCMA in the touchy position of acting as the middle man for those seeking the frequencies.

Michael Yanul (IL-014)
For the Chicago Chapter

To the editor:

I was quite pleased to read your July article regarding mail order companies and RCMA-related sales. We have had previous ads in the newsletter and have sold many scanners, both U.S. and Canadian versions to many happy RCMA members. Due to advertising management problems with RCMA, you have missed printing our ad for the past three months, therefore, we have not been able to expose ourselves properly to prospective customers.

All our equipment is new and fully warrantied by the manufacturer from the date of purchase. We carry a full line of Canadian scanners programmable down to 138 MHz on VHF and 406-420 MHz on UHF. These sets are purchased from Ontario and are not U.S. versions returned here and sold as Canadian. It seems Bob Grove made a mistake in an earlier column stating that no Canadian sets were available in the states from a U.S. dealer, and to beware of misleading advertising.

We would like to make this information or correction aware to our readers and members as to keep mail order service the very best for all of us.

Gordon G. Newell (MA-021)
Orcutt & Hussey Communications Inc.
Florence, Massachusetts

Aircraft

Major Ron Hammer, Editor

Send private, commercial, firefighting, and law enforcement aircraft frequencies of interest in the 108–136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft, plus questions, articles, and tips related to aircraft monitoring to: Major Ron Hammer, 821 Elisa Way, Roseville, CA 95678.

Memo from a ~~College~~ Colledge Graduate

RELAX AMERICA! RON HAMMER FINALLY GOT HIS UHF-BAND CONVERTER WORKING! What was wrong with my AM-914, you may ask. Well, nothing really. For some reason my Bearcat 220 doesn't like it, unbeknownst to me. One day, as much by chance as by any stroke of brilliance, I brought my Radio Shack "Patrolman 50" home from the office. Just fiddling around, I connected the '914 to it and "...NO F-4 OR F-106 DRAG 'CHUTES AVAILABLE..." came blaring forth. McClellan AFB ATIS had been there waiting to be heard all along. A twirl of the '914 dials and in came Sacramento Approach Control handing off military traffic to my old facility--Travis Approach Control. (Boy, that brought back memories.) Anyhow, it works fine. Not being a scanner, it is hard to catch occasional transmissions, but steady yakking such as on a busy Approach freq is a cinch. While some transmissions on UHF-"Guard" (243.0 MHz) could be quite interesting, such as, "MAYDAY, MAYDAY--I'M ON FIRE AND AM LEAVING THE AIRCRAFT!!"--you could also monitor the freq. for a year without hearing anything more than some Navy jock trying to find his wingman on "Navy Common" as the A.F. jokingly referred to Guard freq. So now I have almost continuous coverage from about 150 KHz up thru 512 MHz with just a couple irritating small gaps to fill (like 50-88 and 136-144 MHz), but give me time. I do want to thank the numerous readers who called me with suggestions to help get my '914 to say something. I got it working about two days after my last column was mailed that said it didn't work. Once a column is gone, there is no turning it off!

Yes, I WOULD like to give up the column--at least on a full-time basis. It seems like only about five days elapse between times to write it--not 30 days! I'd quit tomorrow, except for some of the mail I get. My wife came into the bedroom one Saturday morning (that's where I tend to spend Saturday mornings) and said, "Well, who do you know in New Zealand?" I gave her a flip answer about some imaginary honey I'd met there during my flying days (which had to be a crock as I've never been to N. Z.) Anyway, she tosses me this blue "Aerogramme" and says, "Well, you must have just got a letter from her!" Much to my surprise (and good fortune) it was from our member in N. Z.--one Charles Chenery NZEL-001 from Auckland! Charles, it was a very nice letter and I appreciate your compliments. I can understand why most of your aircraft monitoring is on H.F. I was quite amused by your comments concerning the YL (young lady) operators and how their voices and diction are superior to males, like "...some of the pilots are barely readable as they mumble or gabble out their coordinates, etc." Yes, that's true. I still have a large moustache that I started the day I arrived in S. E. Asia in April, 1968. Back then I grew it into a real "womb-broom" as they were known. More than once I've had a strike aircraft that I was attempting to control say, "FAC, will you get your moustache out of your mouth and say again--am I suppose to be dropping a 100 pounder 2,000 meters East or a 2,000 pounder 100 meters East?" (Sometimes we'd reply--"Either way--it's close enough for government work.") Charles mentions hearing of many hydraulic failures. You'd think by now they'd have systems perfected that don't fail so much--I guess not, though. Back in the '50's when I was flying the ol' Boeing KC-97G's--which were a hydraulic nightmare--I shut down so many engines due to various hydraulic pump failures that I had as much three-engined time as some Boeing 727 pilots! Thanks again, Charles, for a nice letter. (Charles's address is 37 Point View Drive, Papatoetoe R. D., Auckland, N. Z., if anyone would like to correspond with him.)

Hey, do you guys want a neat addition to your radio shack? Get yourself a ceiling fan. Places like Sears always have them on sale, from $70 on up. I've got a 52" three-speed. On high it sounds like an incoming helicopter, but on med. or low I can monitor away in nice, gentle breeze comfort (and imagine myself as Humphrey Bogart, Sydney Greenstreet and Peter Lorre all rolled into one.)

On with the mail: Greg Taylor CASC-024 from San Jose wrote wanting some Oakland Center freq. sectorization charts. For some reason, Oakland ARTCC won't send him any, saying they are "for official business only." Hmm. I've never been refused by any Center yet. Today (as I write this) all of FAA's ATC controllers got fired, so we'll just have to wait and see what happens there. While some of the controllers demands might be a bit much, I'd sooner see them get what they want than be high-jacked by street sweepers and entry-level postal clerks who also would like to make $100,000 per year, but--I'll not pursue that one any further.

James Zuchelli CAST-001 from Modesto, CA wrote a nice compliment on the Aircraft Column--and he doesn't even have an aircraft-capable scanner! Now you see why I have such mixed emotions about giving the column up. Thanks, James.

Tom Heidener WI-006 from Milwaukee writes that he'd like to see more specific frequencies listed "...especially the hard to obtain ones...". Well, so would I, Tom. I think I've listed about everything I can get from my location (except 161.55 MHz for the Roseville railyard's Southern Pacific freight traffic). To the best of my knowledge, I've published every hard-to-get freq I've ever been sent (that I could read). YOU GUYS send them in and they WILL be published. I don't like to just sit here and make up frequencies! Tom does send along an updated Western Airlines/ARINC VHF Air-Ground Enroute Radio System chart. It will reproduce pretty small, so get out your bifocals, kiddies.

James L. Cavanagh IL-060 from Palatine, IL writes a complimentary letter, also. James lives under the approach and departure paths of O'Hare Field in Chicago, so has an occasional opportunity to monitor a few passing aircraft! He monitors with a Radio Shack Jet-Stream mini-radio and is still trying to sort out the jargon that is heard at a busy airport. "I have the airport in sight" has a specific meaning in air traffic control beyond, "Yea, I seen it" or some such. It is the contoller's que to clear the pilot for a visual approach (under his own control). Airline pilots, particularly, like visual approaches as they are shorter, faster and less costly time and fuel-wise. Certain conditions, of course, have to be met before an aircraft is cleared a "visual". "Intercept 150 or 210, etc." is instruction to intercept and track on the 150° radial from a VOR or VORTAC navaid. The old low-freq radio ranges and radio beacons were designated in inbound bearings, but VHF/UHF navaids are outbound radials. "Traffic" means just that--"You have traffic three miles dead ahead, a Boeing 747 climbing to 5,000" means you'd do well to look out the cockpit window and try to avoid running him into. In fact with a "heavy-jet" like a 747 you don't even want to run into his wake turbulence--unless you also are equiped with a similar, like-size flying machine. Yes, reports of flocks of geese are important. I was watching an F-102 making low approaches at Westover AFB one day and the next thing I saw was a column of smoke and the guy coming down in his 'chute. He'd gobbled up (ingested is the proper term) a flock of little ol' starlings and it stopped his fancy jet dead in its tracks! (Funny story: One of my KC-97 cohorts at Westover called the SAC command post one day and wanted to issue a "Bird Strike Report"--which SAC actually had. The command post controller--a thankless job-- asked, "OK, Where did you hit him?" You can guess the reply--"Right on the beak." After a short period of silence came the inquiry, "Was there any damage?" "Yes, it totally splattered him!" I don't think that guy ever made Major, but he sure was a funny guy.)

Back to Jim's letter: Jim also gets ground chatter at O'Hare on 460.725 and 460.875 and snowplow activities in the winter around 158 MHz. Jim must like to live around airports as he says he use to live about three blocks from the old Chicago Midway back in the '50's. Jim, I landed at Midway as a passenger at the age of 15 back in 1952 when the Republican convention was in town. The approach (in a Northwest "Orient" Boeing "Stratocruiser") was right down between a row of buildings. Even at that age I could tell that Midway was a crummy place to land a big airplane!

Jim, who claims himself to be a "senior citizen" relates a tale of his first flight going from Munich to Paris back in 1945 at the end of WW II when he was an Army medic. He says they went by air as, "...the nurse who accompanied us was the one who 'wheedled' the plane trip from an Air Corp Major." That comment cracked me up! I wish I had a nickel for every nurse or WAF (or whatever) female who tried to sweet-talk her way onto MY airplane. (Of course they always won.) One young thing did such a selling job on my C-130 crew that she spent two weeks flying all over Europe with us. We finally just put her on the flight orders and told all the command posts that she was one of the crew so she wouldn't get bumped by some dumpy VIP pushing his way around. Fun days! Jim has more stories, but I've got to wind this thing up. His address is 18 East Heron Drive, Palatine, IL 60067, if anyone wants to write to him and swap freqs (and lies).

George DuBois OR-001 from Portland wrote me some antenna suggestions for my '914: (An AT-197 or AS-1404) He also suggests that a CAP reception on 171.525 might be a reverse image as 149.925 is an allocated CAP freq.

Gregory C. Currivan CASF-005 called the other day with some suggestions, also. Gregory sent me a thick packet of of data from tech manuals of the '50's and '60's put out by Bell Laboratories on the AN/TRC-24, and other systems of the day, that used the AM-914's, etc. There is a great deal of information in the data, but I'm going to have to put off reviewing it for the readership until a later column. Greg includes data on how to obtain old tech orders, etc., from the armed services. His address is 1751 14th Avenue, San Francisco, CA 94122 if anyone wants to contact him directly. He seems to have a plethora of 30-year old radio poop. Please remember if you ask anyone for something--copies and postage cost a lot of money nowadays! (To say nothing of someone's time.)

Robert J. La Pollos NY-049 from Jackson Heights near La Guardia Airport writes a few compliments. Thanks, Bob. Have you heard the one about the crew rolling along on the runway when the pilot looks over at his co-pilot who is looking very glum? Thinking to cheer him up he says, "CHEER UP" above the din of the engines. The co-pilot promptly reaches over and raises the landing gear. After grinding to a halt, came the quiet reply, "I thought you said GEAR up!" (By the way, the landing gear on an airplane WILL NOT RAISE when the airplane is on the ground--no matter what. If there is a malfunction of one of the "squat switches" the airplane may settle down on the gear, but the gear does not go up. See what neat stuff one gets from 20 years in aviation!)

Carl Jensen, a new member from Sacramento called me and offered up our local KCRA 'copter is on 455.550 and KGNR is on 161.730 and KFBK is on 455.80. Carl has noted already that not all that is said on air-to-ground is broadcast on the radio program!

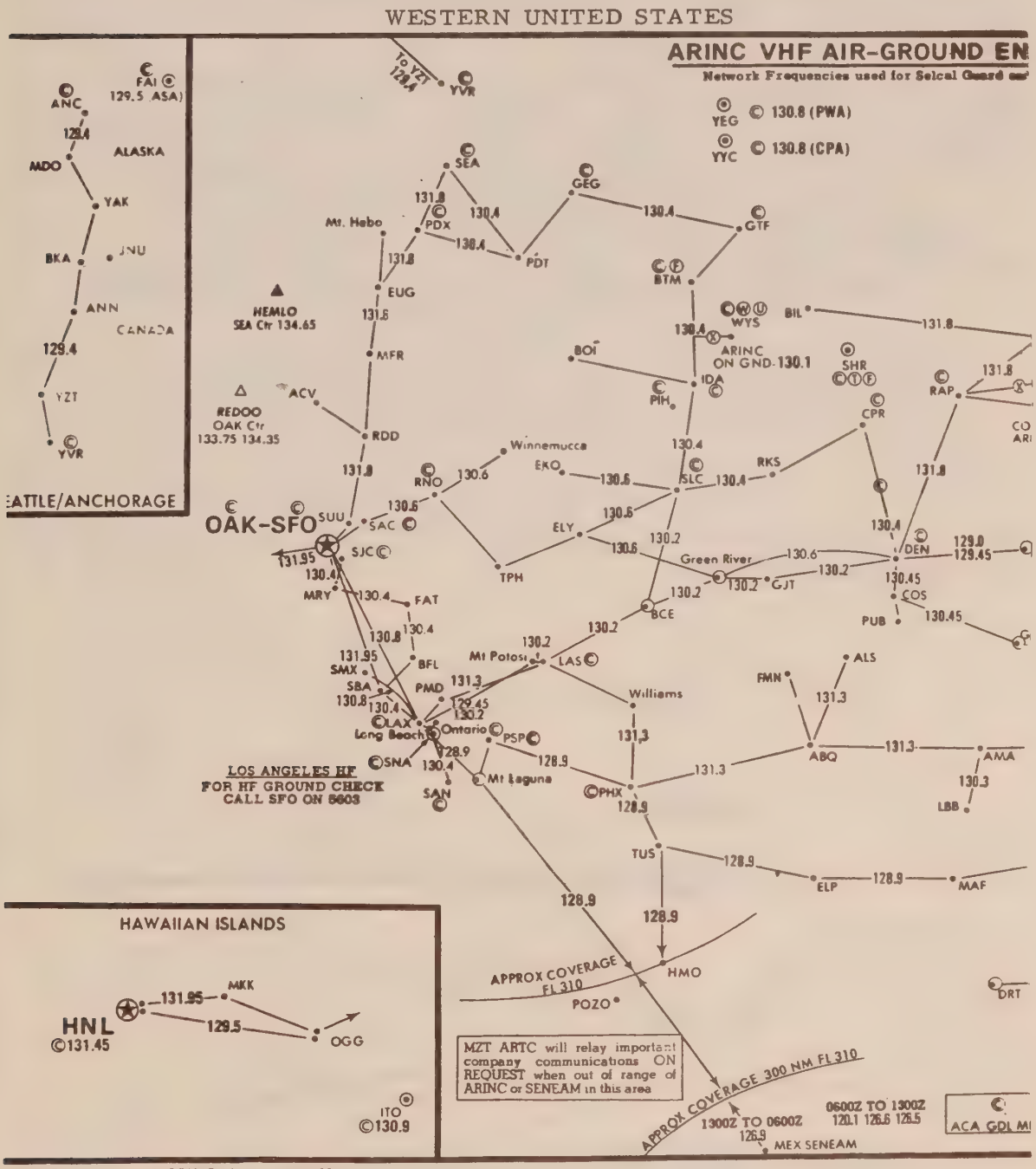
Finally, Cliff Polkinghorn, CAAL-029 a new member from Oakland, drops a line from Oakland concerning either co-authoring this column or taking it over or some such. Chuck Gysi seems to have fallen into a crack or something as he has been unable to respond to either Cliff's inquiries (or mine). I'm sure he has a very good reason. Anyway, maybe we can work something out. Maybe Cliff could write the radio stuff and I could fill in some airplane/terminology data (baloney) or whatever. We shall see. Cliff has been into monitoring for about 12 years (which is about 11 years more than me) I'll be talking to Cliff on this. I'm sure you'll have an Aircraft Column Editor, so not to fear. I haven't run off just yet.

Fellow members of the Longwave Club of America (LWCA) will join me in bemoaning that the venerable "Mc" and wife are stepping down as publishers of "The Lowdown". They put out a lot of good radio poop--such as this new source for radio related books and magazines--especially hard to get ones: Donald E. Erickson, 6059 Essex Street, Riverside, CA 92504. It was Mc who put me up to getting my Kenwood R-1000. Sorry to see them step down, but I can sure understand it!

Want to see a pretty good movie about the trials and tribulations of a Marine F-4 pilot during peacetime? Check out "THE GREAT SANTINI" starring Robert Duvall as "Bull Meecham". I was never a hard-rock like Meecham, but I've met a

few "back in the war". My Marine Corp Anti-Aircraft Missilier son will be home on leave for the first time in 15 months in a couple weeks. I'll have Marine Corp running out my ears by the time he leaves! (Ha) He thinks he's tough just because the ol' veteran here has "groan" a little older and he can beat me arm-wrestling. He doesn't even own a scanner!

I'll close by announcing that my "grandperson" due to be born early next year is now about 40% complete. I sure hope the kid likes something that I'm into.



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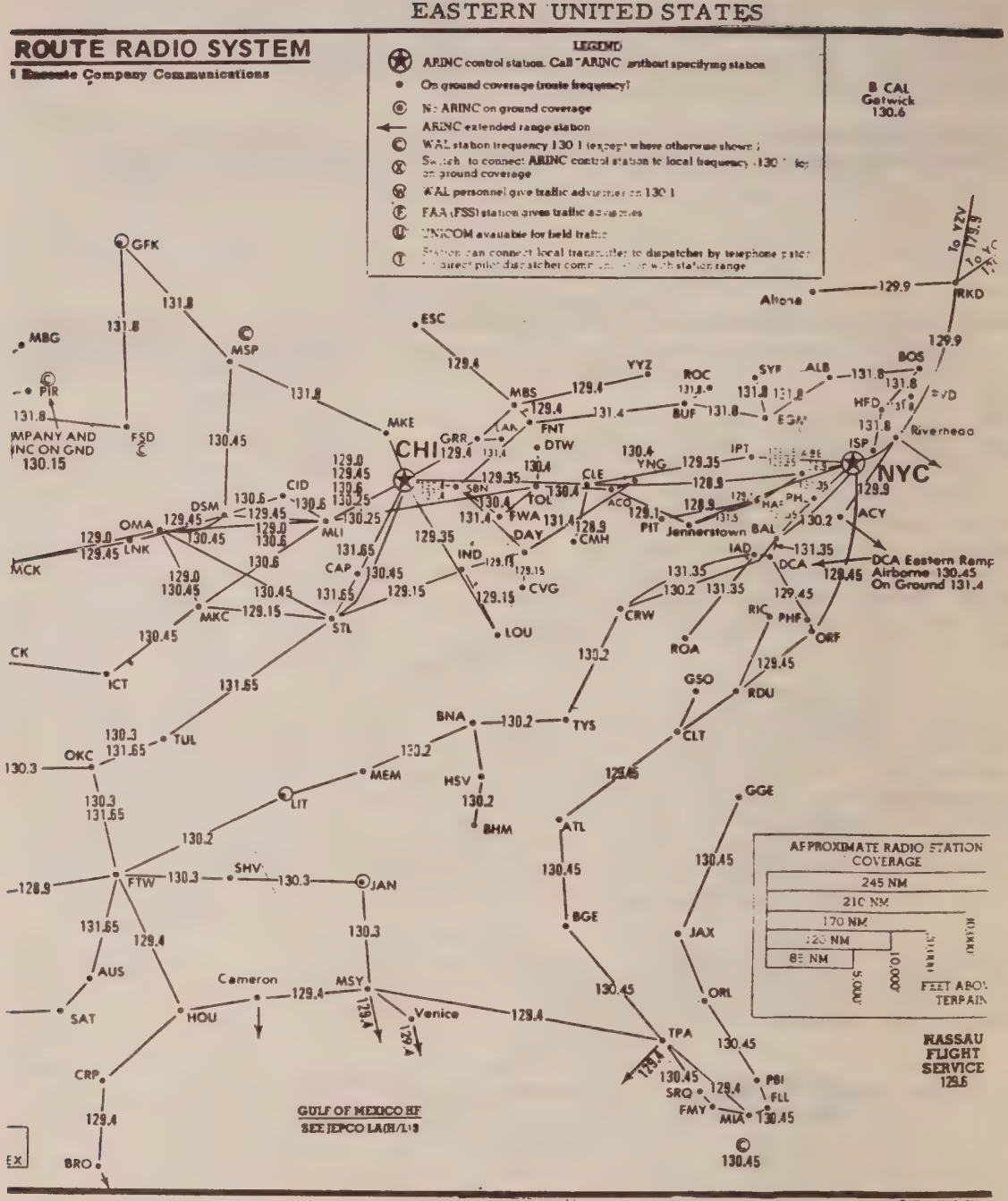

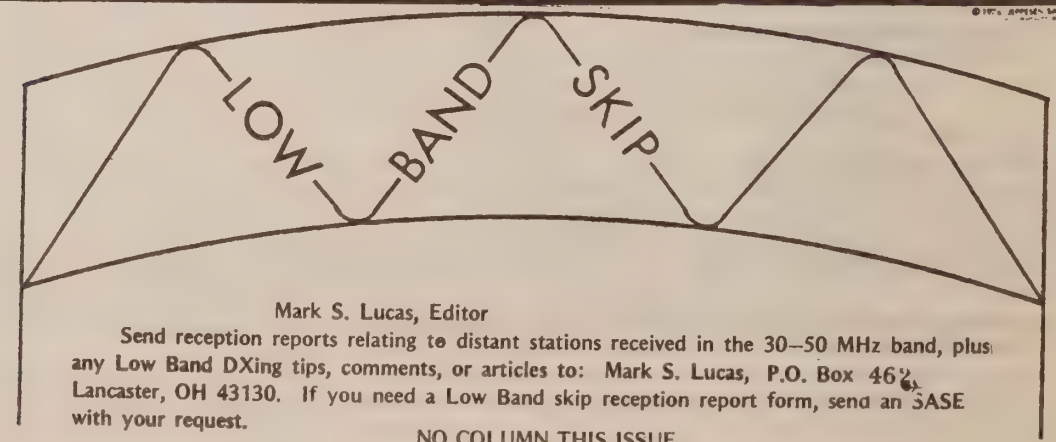

Mark S. Lucas, Editor

Send reception reports relating to distant stations received in the 30–50 MHz band, plus any Low Band DXing tips, comments, or articles to: Mark S. Lucas, P.O. Box 462, Lancaster, OH 43130. If you need a Low Band skip reception report form, send an SASE with your request.

NO COLUMN THIS ISSUE

Beginners ?????? Corner

Have a question? If you are a new scanner listener and don't understand something about monitoring that almost everyone else seems to understand, send in your question. When possible, your question and the answer will be printed. No answers will be sent by return mail. Your name will not be printed. Write to: David E. Crowley, 7234 Balson Ave., University City, MO 63130.

Well, here it is August 9, and I'm writing for the October Newsletter. We have no questions this month, but several readers have submitted information that should be useful to all of us.

Reader No. 1 - tells about a new book on scanners, which he thinks is excellent, both for beginner and expert: The Complete Guide to Scanners and Monitors by Louis A. Smith, II, Tab Books No. 1190, 256 pp. $9.95. He's also very enthusiastic about the Channer Master 5094 antenna, which sells for about $25. VHF high and low band reception is suberb, while UHF is very good. Howver, for the ultimate in UHF reception, he recommends the Cushcraft ARX-450. For reasons that are not clear to your editor, this reader advises against using the Channel Master 5094 for aircraft reception. I could guess that the vertical directivity pattern for reception does not favor signals arriving from altitudes far greater than the antenna's elevation.

Reader No. 2 - has an amplifier-speaker to recommend for the reader who asked about one in the March '81 column. It's the Radio Shack Multipurpose Amplifier with Built-In Speaker, Cataloge No. 277-1008 for $11.95. He uses it mobile with his Bearcat 4-6 hand-held scanner and says that the combination is terrific.

Reader No. 3 - has sent in the following four figures to explain simplex and duplex communication systems for beginners.

That's all for this month, keep those questions and contributions coming. See you next month.

*****NOTE***** This info is basically for the NEW MONITOR who does not understand the SIMPLEX/DUPLEX systems.

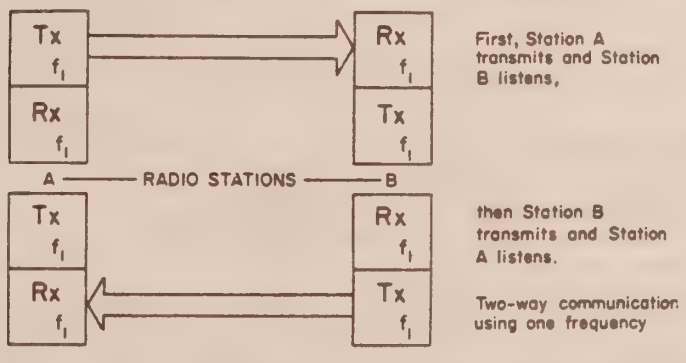

Figure 1 Single-frequency simplex operation--permitting transmission from A to B or from B to A, but not in both directions simultaneously, and using the same frequency in both directions.

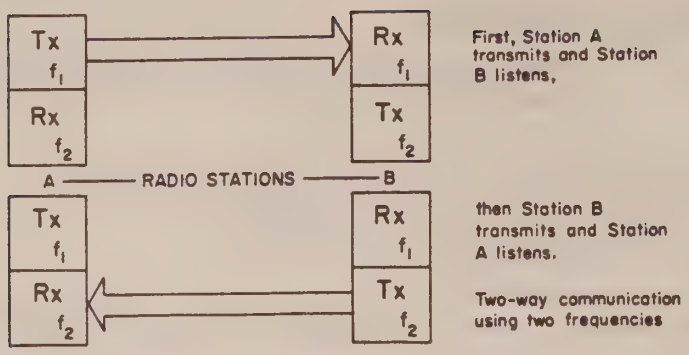

Figure 2 Two-frequency, simplex operation--permitting transmission from A to B or from B to A on two distinct frequencies, but not in both directions simultaneously.

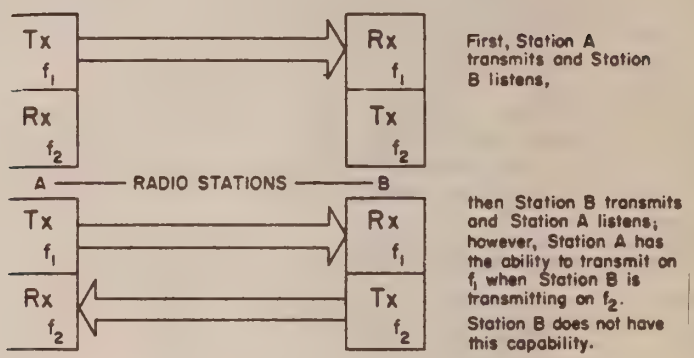

Figure 3 Two-frequency, half-duplex operation--permitting transmission from A to B or from B to A on two distinct frequencies, and simultaneously at the base end of the link, but not simultaneously at the mobile end.

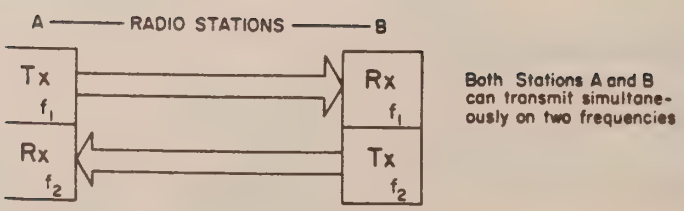

Figure 4 Two-frequency, duplex operation--permitting transmission from A to B or from B to A on two distinct frequencies, and simultaneously in both directions.

Business, Etc.

Chuck Gysi, Editor

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies.

Now that the summer is over, let's see some of those frequencies you came up with while on vacation!

Also, note the new address for this column to send in information: P.O. Box 1119, Flemington, NJ 08822.

News Media/Film

BIRMINGHAM, ALA., AREA NEWS MEDIA

From David Beck (AL-001):

450.650 WBRC-TV Ch. 6
450.0875 WVTM-TV Ch. 13
450.6125 WAPI radio
161.640 WYDE radio
161.700 WVOK radio
455.050 WERC radio
161.760 WSGN radio base to mobiles (duplex)
450.250 WSGN radio mobiles to base (duplex)
464.600 Birmingham News

LOS ANGELES DAILIES

From Robert Stoffel (CA-OR-026):

Los Angeles Times
173.225
452.975 KWV 81
464.825 KMH 964/KLR 632
The Register of Orange County
453.000 WBZ 910
Los Angeles Herald Examiner
453.000 KOH 276/KOH 277
Daily News
173.325
Fullerton News Tribune
462.000 KQK 458
Long Beach Independent
173.375
Orange Coast Pilot
452.975 KWG 496/KWG 497

Business

T-BAND ON WALL STREET?

The American Stock Exchange in New York City has requested permission to build a portable two-way radio system to link floor traders to their clerks using T-band UHF channels 16-20 (482-512 MHz).

Because only channels 14 and 15 (470-482 MHz) have been authorized to New York City, special permission is necessary. The system

would allow 500 brokers working on the floor communicate over handhelds with their firm's clerks, who work out of cubicles on a second-floor balcony overlooking the trading area.

In comparison, the New York Stock Exchange currently only uses a paging system that lets a clerk alert a broker to pick up an order.

Motor Carrier

From LARRY REED (CT-046): The frequency listed in the August newsletter for Westport Transit District, 475.4625 MHz, is the input frequency to the system's repeater on 472.4625.

Mobile Phone/RCC

Nothing new on the mobile phone/RCC front. Anybody have anything new on 800-MHz AMPS systems?

Utility

CONNECTICUT NUCLEAR POWER

From Rick Prelinger (CA-SF-002):

37.60	WFV 696	Yankee Atomic Electric, Haddam
47.62	KYT 96	Yankee Atomic Electric, Haddam Connecticut Power Emergency Net
451.100	various	Connecticut Yankee Atomic Electric, Haddam
451.150	various	Yankee Atomic Electric, Haddam
153.350	KCH 223	United Nuclear, Hamden (mfg. of fuel assemblies)
	KCH 224	United Nuclear, Montville
158.415	KIX 632	United Nuclear, Montville
37.60	WFV 723	Northeast Utilities, Waterford

Security

ATLANTIC CITY CASINO UPDATE

From Chuck Gysi (PA-005):

The following frequencies update the casino list for Atlantic City that ran in the August edition of the newsletter.

464.475	WSZ 911	Holiday Inn Marina Casino
462.825	WQN 784	Playboy Hotel and Casino paging
463.700	WQT 469	Playboy Hotel and Casino

The following frequencies appeared in the August newsletter, but reappear below with call signs, previously unknown.

463.325	WZP 783	The Sands Hotel & Casino security
464.125	WQG 583	Golden Nugget Hotel-Casino security

In addition, the Claridge Hotel and Hi-Ho Casino, previously listed as Del Webb's Claridge is now a licensed casino and in operation.

School

MICHIGAN SCHOOLS

From Larry Smith (MI-001):

33.14	KF 7909	Regents of University of Michigan, Ann Arbor
35.02	KF 7909	Regents of University of Michigan, Ann Arbor
35.94	KGM 259	Regents of University of Michigan, Albion
151.715	KDB 668	Albion College, Albion
	WXN 427	St. Clair County Community College, Port Huron
151.775	KDT 922	Hillsdale College, Hillsdale
461.300	KUW 472	Regents of University of Michigan, Dearborn
461.975	KYW 302	Detroit Board of Education

Freak Freqs

NATIONAL FOOTBALL LEAGUE FREQUENCIES

From Gary Bottrell (IL-073):

The following information is from the March 1981 FCC microfiche. Corrections and verifications would be appreciated.

Teams (In alphabetical order)

151.715	KX-2236	Baltimore Football Club
154.600	KP-5317	Baltimore Football Club
154.600	KY-2138	Buffalo Bills Inc.
467.850	KQ-3749	Buffalo Bills Football
467.900	KU-9634	Buffalo Bills Inc.
464.775	KH-2554	Kansas City Chiefs Football
151.955	KX-9718	Minnesota Vikings Football
151.625	KW-9238	New England Patriots
154.570	KV-4188	New England Patriots
154.540	KY-3980	New York Football Giants
151.625	KA-56846	New York Jets Football
151.835	WRX-506	New York Jets Football
151.775	KY-5041	Philadelphia Eagles
151.625	KX-9717	Pittsburgh Steelers
467.750	KA-72864	Pittsburgh Steelers
151.775	KY-2090	San Francisco 49ers
469.500	KA-52104	St. Louis Football Cardinals
151.775	KY-3982	Tampa Bay Area NFL Football

Teams (Previously published but not in March '81 FCC microfiche)

From Karl (CA-OR-022) (Feb./Mar. - 1980):

151.685	KW-9331	Cleveland Browns Inc.
154.570	KY-2356	San Diego Chargers Football

From Larry (MI-001) (Nov. - 1980):

151.625	KX-8499	Detroit Lions

Stadiums (Possibly used by Teams)

154.570	KP-9882	Texas Stadium Corporation (Dallas)
462.1625	KR-3085	Pontiac Stadium Authority (Detroit)
469.925	KW-3008	Riverfront Stadium (Cincinnati)

COMMUNICATIONS PROFILE

RCMA, P.O. Box 1119, Flemington, NJ 08822

This column is for special projects that explain various radio systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible due to length. If you are inclined to submit a report as the one below appears, please follow No. 9 in the inside front cover of the newsletter.

ORANGE BOWL UPDATE
from R.C.M.A.-Miami Group

The following frequencies were utilized during the 1981 Orange Bowl events; these channels are in addition to those published in the December 1980 Newsletter.

Intercollegiate Sailing Regatta

156.425	Marine Ch. 68	Race Officials
156.800	Marine Ch. 16	Coast Guard

Orange Bowl Parade

45.460	Florida Dept. of Law Enforcement for prtection of Florida Governor Bob Graham
118.300	Miami International Airport Tower
120.500	Miami International Airport Approach Control/South
126.850	Miami International Airport Approach Control/North
	Note: Aviation channels were used for coordination and advisories to incoming aircraft concerning position of Goodyear Blimp and other media aircraft
146.520	Orange Bowl Committee Officials
146.760	Auxillary Command/Support channel
146.925	Primary Command channel (147.150, Primary Float Support channel, as listed in December Newsletter)
154.665	Florida Highway Patrol
450.725	NBC
450.850	NBC
460.925	Wackenhut Security for security at NBC equipment storage site
465.912	Goodyear Tire and Rubber Co. for Blimp Support
471.812	Metro-Dade County Transit Authority Supervisors

Orange Bowl Game

45.460	(same use as at Parade)
118.300	"
120.500	"
126.850	"
146.520	"
151.625	Orange Bowl Stadium Concessions
154.665	(same use as at Parade)
161.640	NBC Production link to Blimp for directions/cueing
450.212	?
450.312	?
450.650	NBC Field Microphone
450.850	NBC Engineering (450.825, NBC Production, as listed in December Newsletter)
455.362	?
455.675	NBC Crowd Microphone and Sideline Talent Cueing
465.912	(same use as at Parade)
471.812	"

Three Kings Parade
46.550 Florida Army National Guard
for assistance with traffic control

Orange Bowl Marathon
118.300 (same use as at Parade)
120.500 "
123.050 Air-To-Air coordination between Miami Herald helicopter, WCKT-TV 7 "Skycam 7" helicopter, WPLG-TV 10 "Sky 10" helicopter, and Metro-Dade County Public Safety Dept. helicopter (used by Metro-Dade County Dept. of Traffic and Transportation for aerial observations and control of traffic)

...Orange Bowl Marathon 2-Meter Nets...

Services	Primary:	147.240
	Secondary:	147.060
North	Primary:	146.805
	Secondary:	146.520
South	Primary:	146.760
	Secondary:	147.000
Mid.	--------	147.150

"Services" was used to link the zones to the command post and to link the Amateur Operators who were riding in Miami Police, Coral Gables Police, Metro-Dade County Traffic and Transportation, and special private vehicles with each other and with the command post.

"North/South/Mid." geographic zones were used to coordinate checkpoints and runner's aid stations within each zone.

MARCH OF DIMES BIKEATHON
from R.C.M.A.-Miami Group

Frequencies active during recent Bikeathon for' March Of Dimes:

North Course	Operations:	147.810 in/147.210 out
	Traffic Control:	155.730*
Central Course	Operations:	147.750 in/147.150 out
	Traffic Control:	453.750**
South Course	Operations:	146.520 simplex
	Traffic Control:	155.955*
Course Link	146.205 in/146.805 out	

Metro-Dade County Traffic & Transportation Dept. : 453.650
(utilized for maintenance of temporary traffic control devices)

* Traffic control was provided by Metro-Dade County Public Safety Department; Northwest and Southwest Districts
** Traffic control was provided by Miami Police Department utilizing their "TAC 1" channel

P.G.A. Seniors Golf Championship
from R.C.M.A.-Miami Group

The 42nd Annual P.G.A. Seniors Golf Championship was held December 3-7 at the Turnberry Isle Country Club in Miami, Florida. The low-power Business frequency, 154.570, was utilized for overall control of the event. In addition to the Seniors golf event, this frequency has also been used at the regular P.G.A. and L.P.G.A. Tour events which have been held in south Florida. This frequency is probably in service on a nationwide basis for use at these golf tournaments.

MONITORING THE GOODYEAR BLIMP
from R.C.M.A.-Miami Group

The following frequencies were found within the Goodyear Blimp stamped on a metal plate attached to the instrument panel:

Emergency...121.500
U.S.C.G.....123.100
F.S.S.....122.200
F.S.S.....122.300
F.S.S.....122.600
F.S.S.....123.600
Unicom.....122.800
Multicom....122.900
Unicom.....123.000
Military....126.200

In addition, 132.000 was tuned into one of the radios and was described by a Goodyear employee as "Company AM". Also, 465.9125 (simplex) was found in a handheld radio and was described as "Company FM".
These channels were found in the Airship Enterprise while it was "docked" at Opa-Locka Airport during the week of the Orange Bowl Parade and Game. 465.9125 is supposed to be a nationwide frequency.

Note: 465.9125 is the channel which is utilized by the support van. This supercedes the report of 463.500 which was specified in the previously-submitted frequency list entitled, "Miami Dolphins Frequencies at Orange Bowl Stadium".

AGENCIES WITH AIRCRAFT UNITS
from R.C.M.A.-Miami Group

The following agencies operate aircraft units in south Florida. Frequencies listed represent standard operational channels utilized for air/air and air/ground communications. All sensitive frequencies, as well as standard VHF-Air Band channels (such as 123.100 for Coast Guard and 126.200 for Air Force) have been deleted.

Agency	Primary Frequency
Broward County Sheriffs Office	154.950
Florida Army National Guard	40.300
Florida Game & Fresh Water Fish Commission	44.760
Florida Highway Patrol	154.665
Florida Marine Patrol	44.960

Metro-Dade County Public Safety Department	155.985
North Miami Beach Police Department	156.150
U.S. Army Reserve	44.400
U.S. Border Patrol	
U.S. Coast Guard	157.050
U.S. Coast Guard Auxilary	157.175
U.S. Commerce Dept./N.O.A.A,	165.510
U.S. Customs Service	
U.S. D.E.A.	
U.S. F.B.I.	
U.S. National Park Service	172.525
WCKT-TV	450.087
WGBS-Radio	170.150
WINZ-Radio	455.550
WIOD-Radio	161.760
WNWS-Radio	161.640
WPLG-TV	450.612
WVCG-Radio	161.670

CANADA

Send Canadian frequency information, radio system details, other information relating to Canadian monitor radio listening, and questions to: Robert Berezowski, 5832 Dalhousie Drive NW, Calgary, Alberta T3A 1T1 Canada.

To start off with this month, I would like to say that I hope the Canadian members will see this. As the American members may or may not know, the Canadian Post Office is on strike, AGAIN! As of this date, the sixteenth day of July in the year of our Lord nineteen hundred and eighty-one, there is no end in sight. For about three weeks now, the inside postal workers (sorters) have been on strike. This unfortunately means that everything grinds to a halt. The House of Commons in Ottawa do not have the courage to legislate them back to work while negotiations continue.

Hopefully by the time this is printed and distributed (mailed in September, October issue) the strike will be over. Doug(CAN-041) has to send some material by private courier to a location in Ontario that is close to the U.S. border. If all goes well, this column will be posted at a USPS post office and mailed to California. My thanks to Doug for his help on this.

First item on the agenda for this month is a repeat of the notice I printed last month on the directory Doug is putting together. It is a directory of Canadian members who wish to correspond with other members in Canada. American members who wish to correspond with Canadian members are invited to write in to Doug. All that is required to be included is to send a self-addressed, stamped envelope(SASE) with the following information to Doug at the address below:

1. Name
2. Address
3. Membership ID number
4. Monitoring interests (you can use the newsletter columns as a base)
5. Method(s) of correspondance (letter, phone, tape or person-to-person)
6. Equipment used
7. Other monitoring club affiliations (eg. Scan)

Douglas C. McDougall CAN-041
Apt. 1 2428-14 St. S.W.
Calgary, Alberta
T2T 3T6

A relatively new member to RCMA has sent me a list for the Quebec City region. Ron (CAN-067) has sent in the following:

Police Depts	Quebec City		#1	155.850
			#2	155.460
		(Scrambler)	#3	155.640
	Ste. Foy		#1	158.730
			#2	155.390
	Charlesbourg		#1	155.730
			#2	155.370
	Beauport		#1	155.280
			#2	151.360
	Sillery			155.970
	Vanier			159.090
	Loretteville			412.9625
	Ancienne Lorette			151.150
	Harbour Police			155.940
	Levis			412.9875
	Lauzon			155.190
	St. Romuald			154.650
Police Depts	Charny			154.130
	Provincial Police	Quebec Metro		167.010
		Quebec HQ		166.680
		South Shore Region		166.830
Regional Emergency Communications (All Police Depts)				171.600
Quebec City Fire Dept			#1	154.250
			#2	154.340
Ambulance Co's	Lepine			158.760
	Bouchard			163.500
	2000			164.550
	Tēlē-Medic (Mobile Doctors)			166.170
Radio Stations	CFLS			153.290
	CJRP			152.930
	CHRC			153.230
	CKCV			153.350

Thank you Ron for sending in the list. I hope you can supply more information like this in the future. When the postal strike is settled (I really should say "if") I'll send the other parts of the list to some of the other column editors.

The following information comes from Doug (CAN-041):

Saskatchewan Power Corporation			139.080 / 141.570in
			139.110 / 141.600in
			139.140 / 141.630in
			139.170 / 141.660in
			139.200 / 141.690in
			139.260 / 141.720in
			139.290 / 141.750in
		Simplex	140.310
			140.400
Regina	Police Dept.		413.0125 / 418.0125in
			413.1625 / 418.1625in
			413.4125 / 418.4125in
			413.5875 / 418.5875in
			413.7875 / 418.7875in
	Olson's Ambulance Ltd.		158.760
	Saskatchewan Motor Club		165.990
	Regina Cabs		157.530
	United Cabs		162.870
	Pacific Western Airlines		170.670
	Canada Post Office		411.7625 / 416.7625in
	Dept. of Communications		149.080
	Dept. of Transport		460.2000 / 465.2125in
	Edwards Propane		162.480
	Regina Central Delivery Systems		165.150

	Regina Motor Products		169.950
Saskatoon	Police Dept.		461.0125
		462.1250 /	467.1375in
		462.2750 /	467.2875in
		462.5750 /	467.5875in
		462.9750 /	467.9875in
	Fire Dept.	153.830 /	154.340
	M.D. Ambulance Care Ltd.		158.760
	Transit System	413.0125 /	418.0125in
	Saskatchewan Emergency Measures Organization		
			155.190
	Dept. of Communications		149.080
Saskatoon	Saskatoon Radio Cabs		165.030
	Unique Drywall		169.710
	FMF Building Movers		170.520

The following contribution comes from Guy (CAN-031):

Niagara Falls, Ont.	Maid of the Mist		156.900
	Royal Hydrofoil Cruises Ltd.		158.490
Toronto	CN Tower Ltd.	453.7875 /	458.7875
	Cdn. National Exhibition		149.290
	Toronto Blue Jays Baseball		151.085
	Exhibition Stadium		172.290
Montreal	Montreal Baseball Club	463.0750 /	468.0875
		463.7750 /	468.7875
All Canada	Fire Line Communications		46.740
	Cordless Telephones		49.830
			49.845
			49.860
			49.875
			49.890
Montreal	Olympic Installations Board		151.055
			163.620
			165.930
			167.640
			169.770
			170.640
			171.990
		463.7000 /	468.7125
			464.025
			464.400
			464.800
			469.050
			469.850

Guy also sent in some more information that I'll get to a little later. Before the strike set in I received a letter from Rory (CAN-003) that contained among other things the following tidbits that I thought I would pass on.

Ontario Ministry of Health	Channel 1	413.6875 / 418.6875
	Channel 2	413.7625 / 418.7625
	Channel 3	413.8125 / 418.8125
	Channel 4	413.8375 / 418.8375
	Channel 5	413.8625 / 418.8625

The Air Ambulance uses channel 1. The following call signs are allocated:

XMI 862 Newmarket (York Control)
XMI 847 Oakridges
XMI 508 Oshawa
XNE 614 Fort Erie

Thanks for the information Rory, I know someone somewhere will be interested in that. To finish off this month I have a list that Alex (CAN-040) sent to me a while ago. I had to first pull it out of cold storage. After brushing the snow and frost off of it, here it is. The list is for the London region.

O.P.P.	Glencoe, London, St. Thomas, Strathroy, Tillsonburg, Woodstock	b/b	41.960 / 41.960
		b/m	41.960 / 42.020

O.P.P.	Aircraft		42.000
	Burlington, Mt Forest	b/m	42.060 / 42.220
	Sebringville, London	m/m	42.060 / 42.060
Conservation Authority	Conostogo, Ont.		42.660
Ontario Hydro	Douglas Point		42.820
Highway transport			45.420
Fanshaw Park Security	London		46.540
Highway (M.T.C.) road conditions @ London & Delhi			139.590
London Police	Ch. 1		142.035
	b/m, m/m		142.305
			142.710
	Ch. 3		142.770
			142.875
Victoria Hospital Page			149.290
			491.2875

That last frequency seems a little odd to me. I don't think that the DOC has allocated any frequencies in the 470-512 MHz range in Canada yet. What it probably is is an image. Doing the trick with twice the IF and the old calculator, the fundamental frequency would fall in the 469 MHz range.

I'm going to have to cut it off at that point. I'll try to finish Alex's list next month. If there will be a column next month or if the members will see it is up to CUPW and the federal government. Lets all cross our fingers and hope for the best. (Sounds like I'm writing from a prison doesn't it? It sure feels like one. It's something like being between a rock and a hard place.)

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs, send a self-addressed, stamped business size envelope with your request to the address below.

For an annual subscription to the ANARC Newsletter, send $5 to Joe Barr, 1500 Bunbury Drive, Whittier, CA 90601. ($8 overseas subscription.)

NO COLUMN THIS ISSUE

Introducing the first no crystal hand-held scanner. The Bearcat® 100.

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MEMBER MA-021

FEDERAL GOV'T and ☆ MILITARY ☆

Robert B. Grove, Editor

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to: Robert B. Grove, Route 1–Box 156, Brasstown, NC 28902. Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

MILITARY USING FREQUENCY HOPPING

RACAL-TACTICOM of England has developed their "Jaguar-V" (jamming guarded radio-VHF), a 50-watt vehicle station to be used by the British Army. Available also as a man-pack, the transceiver is capable of hopping several times per second among 9 different bands, each 6.4MHz wide. The units are capable of hopping over 256 25kHz channels in each "hop band".

The technique is useful not only for avoiding jamming from countermeasures equipment, but also to assure privacy from uninvited listeners.

CW ON LOWBAND?

Mike (AR-013) reports hearing morse code letter groups being transmitted on 40.35MHz at 11:30AM Central Time, June 25, 1981. Could it have been shortwave IF feed through? Or have some other members heard similar transmissions?

FEDERAL FREQUENCY BAND PLAN

Bruce (DE-006) shares with us this month some interesting information from 2 publications available from the Government Documents Section of major libraries (or from the government printing office). One of these is the "Manual of Regulations And Procedures For Radio Frequency Management"; the other is "Directory Of Field Contacts For The Coordination And Use Of Radio Frequencies". Let's take a look at the first book.

27575-27585kHz . . short-distance low power communications, signaling and remote control (AM)

1720, 1740, 1760, 1780, and 1800MHz fixed security surveillance systems.

1650-1655, 3300.4 - 3310.4kHz . . radio location system, US shorelines.

Additionally, the following frequencies are to be used exclusively for hydrologic or meteor hydrologic or meteorological data transmissions:

169.425/.450/.475/.500/.525/.575, 170.225/.250/.275/.300/.325/.375,
171.025/.050/.075/.100/.125/.175/.825/.850/.875/.900/.925/.975,
406.125/.150/.175/.250/.675, 409.725, 412.625/.675/.725/.775.

Thanks, Bruce, for this interesting insight into Federal Government Regulations.

WHEN IS LOWBAND OPEN?

Many of us would like to catch skip when it is rolling in on the 30-50MHz band, but it is difficult to predict when the band will be open for long-distance communication reception. One good hint is to listen for one of the most commonly-used frequencies in that band, that of the wide-area paging services. I listen for 35.22MHz although several other frequencies are very busy as well. When my Bearcat is overcome by signals on that frequency, I know that it is a good time to start searching for those rare Federal or Military catches!

BRITISH HAM SATELLITE TO TRANSMIT BEACONS

The new UOSAT (United Kingdom Amateur Satellite) possible launched by the time of this column, is scheduled to transmit several continuous beacons throughout the HF/VHF/UHF spectrum. These include the following

discreet frequencies: 7.058, 14.001, 21.001, 28.001, 145.8, 435.0, 2400 and 10470MHz. Solar array panels will provide the 17-25 watt DC power and prime communications will be heard on 145.825MHz. Educational experiments will provide land and sea images transmitted on 145.8MHz (FM AFSK, 1200 baud using a 256 x 256 digital dot matrix).

Engineering and experimental data will be transmitted on 435.025MHz using voice, CW, RTTY and ASCII telemtry.

. . . AND A FEW NEW BOOKS

For you broadcast buffs, the WTFDA (Worldwide TV-FM DX Assoc.) has a new book which shows maps of TV, VHF and UHF stations throughout North and Central America, lists of satellite channels and equipment suppliers, and many more pages of pertinent data. For more information about the WTFDA station guide, write WTFDA, P.O. Box 97, Calumet City, IL., 60409.

One of our veteran members, Jay Lemmons, has published his own book: Sacramento County Frequency Outline (1981 edition). For those of you in the Sacramento listening area, the outline is a wealth of information on public safety, aircraft, ham, utilities and security, transportation and marine and many other sectors of the communications community.

For more information or to order a copy ($6.95) contact Jay at P.O. Box 567, Roseville, CA. 95661.

Jay has also donated a very nice list of Bay area frequencies this month.

35.9000	MARGRAF EXPLOSIVES
40.1	USN MARS
41.0000	AIR NATIONAL GUARD MATHER
41.8000	AIR NATIONAL GUARD STOCKTON
148.1500	(143.9000 input) CIVIL AIR PATROL
148.1750	MATHER SECURITY
148.2150	MCCLELLAN AIRCRAFT MAINT
148.4000	MCCLELLAN AIRCRAFT MAINT
148.4850	MCCLELLAN AIRCRAFT MAINT
148.5150	MCCLELLAN AIRCRAFT MAINT
148.5450	MCCLELLAN AIRCRAFT MAINT
148.8450	MCCLELLAN RESCUE SQUADRON
148.9500	NAVY MARS REPEATER
149.2050	MCCLELLAN TAXI NET
149.2650	MATHER AIRCRAFT MAINT
149.3750	MATHER AIRCRAFT MAINT
149.4750	MCCLELLAN SUPPLY NET
149.5650	(149.7650 input) MATHER COMMEND POST
149.5750	MATHER SECURITY POLICE
149.9100	ARMY DISASTER NET
150.2250	(165.1125 input) MCCLELLAN COMMANDERS NET
150.2850	MCCLELLAN AIRFIELD OPERATIONS
163.4375	CORP OF ENGINEERS
163.4625	TRAVIS SECURITY POLICE
163.4875	MCCLELLAN SECURITY POLICE
163.5125	BEALE SECURITY POLICE
163.5625	MATHER VIP NET
163.5875	MCCLELLAN DISASTER PREP
163.6500	BUR OF IMIGRATION
164.2250	ERDA LIVERMORE DIAL PAGE SYSTEM
164.9875	SACRAMENTO POSTAL TRANSPORT UNITS
165.1375	MATHER AIRFIELD OPERATIONS
165.1625	MATHER AIRCRAFT MAINT
165.2625	MATHER AIRCRAFT MAINT
166.1750	FAA SACRAMENTO
166.2000	BUR OF REC DATA
166.8000	BUR OF REC DATA
167.1750	BUR OF REC
168.0000	MCCLELLAN AMBULANCE
169.3250	TRAVIS AFB VIP NET
171.3875	US TREAS SAN FRANCISCO
171.7750	BUR OF REC

171.8750		CORP OF ENGINEERS DATA (ALSO STATE)
171.9250		CORP OF ENGINEERS DATA (ALSO STATE)
172.4250		BUR OF REC
173.4375		MCCLELLAN FIRE DEPT
173.5375		MCCLELLAN AIRCRAFT MAINT
173.5625		MATHER AMBULANCE
173.5875		MATHER FIRE DEPT
406.9750		ARMY CRIMINAL INVEST. DIV.
407.4250	(413.0000)	USAF MOBILE TELEPHONE
407.6250		USCG
407.9250		USCG
408.5750		MATHER
409.1250		MATHER
409.6000		USAF OSO TO SACRAMENTO
410.5750		WEATHER UPLINK TO 162.400
413.0250		USAF THUNDERBIRDS
413.9250		USCG
417.2000		FEDERAL PROT. SERVICE 'CENTRAL'
418.3000		FEDERAL PROT. SERVICE SF AIRPORT
419.4750		LINK BAY AREA (UNKNOWN)
419.6000		LINK (UNKNOWN)
419.6250		LINK (UNKNOWN)

From Rich (PA-027)

418.300	USPS PITTSBURGH SECURITY
163.375	USPS DELIVERY TRUCKS
163.4875	GREATER PITTSBURGH AIRPORT AF SECURITY
148.545	" " " " MAINT
40.90	AF RESERVE HELICOPTERS
417.675	BUR OF MINES, BRUCETON, PA.
163.025/.4125/.4375	US ARMY CORP OF ENGINEERS RIVER LOCKS

Thanks, Rich for sharing.

From Chuck (IL-141)

38.91/.98	FORT SCOTT RANGE CONTROL
163.025/163.5125	REPEATER IN AND OUT, ARMY CORP OF ENGINEERS, OHIO RIVER WATER LEVEL STATIONS
164.70	FORT KNOX "SPECIAL BUILDING CHECK"
173.4125	FORT SCOTT MESSAGE CENTER

Thanks, Chuck.

From Larry (MI-001) and Evvet (MI-080)

149.565 WURTSMITH AFB, OSCODA, MI TELEPHONE CHANNEL

From Robert (OH-93)

OHIO NATIONAL GUARD AIRCRAFT

Channel 1-348.600	Channel 8-263.000	Channel 15-353.900
Channel 2-257.800	Channel 9-381.400	Channel 16-379.900
Channel 3-226.400	Channel 10-322.300	Channel 17-319.800
Channel 4-323.000	Channel 11-325.800	Channel 18-388.000
Channel 5-255.400	Channel 12-390.800	Channel 19-241.000
Channel 6-257.600	Channel 13-360.600	Channel 20-229.600
Channel 7-275.800	Channel 14-258.300	
VOR - 114.4	MEDEVAC - 46.75	

From Greg (VA-056) WASHINGTON, DC AREA

140.640	US NAVAL INTELLIGENCE REPEATER, PENTAGON
150.555	ARMY WARFARE TRAINING CENTER
162.200	UNKNOWN MILITARY
166.725	CHANNEL 1 US PARK POLICE
166.925	CHANNEL 2 US PARK POLICE, "EAGLE" FREQUENCY USED WITH HELICOPTERS.
413.375	ANDREWS AFB SECURITY

Thanks, Greg.

Rich (CA-AL-020) sent some interesting information about the Rangers at Grand Teton National Park at Jackson Hole, Wyoming. He indicates that the rangers there use the standard APCO ten code with an additional "11-11" as a call for help. Unit designators for the National Park Service (171.675MHz repeater output) are divided as follows: 100 units, superintendant's staff; 200 units naturalist staff; 300 units maintenance staff; 400 units chief ranger's staff; 500 units gate locations; 700 units are headquarters and ranger stations. Thanks, Rich for sending in this interesting information. And thanks to all of you who will be sending in more information next month.

International

Richard Stein, Editor

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Richard Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

The following report was sent to me by an anonymous monitor. I think the article speaks for itself.

Some readers may have wondered about frequency bands and equipment used by the Militia and security services in communist Eastern Europe. I am in a position to make certain broad generalizations about one or two such systems. Specific channels are not available, since to get caught with a police band receiver in those countries could, at worst, constitute prima-facie evidence of espionage, and, at best, would result in a very unpleasant confrontation with the authorities. My observations are from Hungary and Romania and were obtained first hand.

(1) Low-band police activity seems to be non-existent. This band appears to be reserved for the military, as it is in much of the world.
(2) There is no space for allocation in mid-band (60-90 MHz.), which is quite active in other parts of Europe, since 66-73 MHz. is used for FM broadcasting while 49-66, 77-100, 175-230, and 470-856 MHz. are all used for TV. 108-136 MHz. is the aircraft band, of course. This eliminates nearly everything except high-band and UHF, and no UHF systems were noted.

In Hungary, the Budapest municipal and traffic police cars sport high-band antennas. No other police vehicles were seen during my short stay there.

In Romania the systems can be divided into 4 groups of users:
(a) The highway patrol and municipal traffic police cars, painted bright blue, carried quarter-wave high-band antennas in the center of the roof. A repeater was used in the capital at least. Traffic was routine, and of the sort that one would expect from traffic police.
(b) The Security or "secret police" vehicles that are radio equipped use antennas built to resemble telescoping BC antennas. Those on the Soviet-built Volga automobiles are ¼ wave on high-band and are mounted just above the center of the windshield; on the Moskvitch they are cowl-mounted. Romanian-built Renaults (Dacias) are also used. High-ranking officers and those assigned to surveillance of foreigners often drive Mercedes Benz'. Disguised high-band cowl mounts resemble those used here by the FBI until recently. On the Mercedes they look as if they should telescope out if you pull on them, but they do not. I tried. The radios themselves are not readily visible. I watched one plainclothes agent in a Moskvitch operate one that was mounted inside the glove compartment. The radio appeared to be tunable across a range of frequencies.

(c) Communist Party Central Committee security and traffic control functions. The personal automobiles of CPCC members are all equipped with high-band FM radios of western manufacture. These include the President's Mercedes Benz 600 limo and the Jaguar belonging to the Patriarch of the Romanian Orthodox Church (also a CPCC member). Traffic militiamen along the route between CPCC HQ and the upper class residential neighborhood in the lake district of north Bucharest are all equipped with HT's on the CPCC security frequency, so that they can stop all traffic when high-ranking officials approach.
(d) Few other agencies are radio equipped to any great degree. For the most part neither ambulances nor fire fighting vehicles had radios. Fire fighting is done by units in army uniform, but they are not much in evidence, since if you have a fire in your home, you are arrested for carelessness and are responsible for proving it was not your fault. There are not many fires.

This is only a rough outline of the VHF picture in Eastern Europe. Much inter-region traffic is still handled on HF in addition to landline. A word to the wise: If you will be traveling in Europe, leave your monitor receivers at home. The prohibition in most countries is absolute and the laws are very strictly enforced even in such friendly countries as Germany and Austria--where you cannot even own a radio capable of tuning CB channels.

We all saw the ad for the JIL SX-200 receiver in the August Newsletter. In Europe, a model SX-200 N is being advertised. Don't know if it is the same unit. Before we all run out and buy a radio, I would like to remind you of the firm's past track record on getting repair work done (not so good!) as reported to me by our membership. Also remember that I wrote to them more than a year ago requesting information. They couldn't even afford the courtesy of a reply. Compare this to Regency and Bearcat who answer our letters and at least make an attempt to satisfy our problems.

Until next month, שלום

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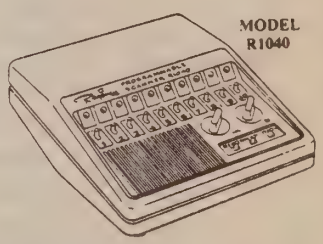

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Shortwave Utility

Chris Devendorf, Editor

This column is for reporting RTTY, CW, MCW, SSB, AM and FAX reception reports, explanatory notes, articles, and questions related to frequencies below 30 MHz. Services covered in this column will be military, civilian aeronautical, coastal/maritime, SSB broadcast feeders, government, beacons, weather, voice markers, time/frequency stations, etc.--essentially everything except broadcast, CB, and amateur radio. Send to: Chris Devendorf, P.O. Box 6002, Laguna Niguel, CA 92677. If you need a Shortwave Utility report form, please inclose a SASE with your request.

INTERCEPTS

Contributor:		Primary Receiver	RTTY Unit
Mike Agner	MA-66	R4B	Field Day 2
David Beck	AL-1	R-1000	
Mike Chabak	AZ-23	HQ-180	
Richard Kramer	PA-93	FRG-7	
Ronald Pokatiloff	IL-83	ICF-2001	
Bob Rankin	KS-1	R-7	
Al Ricciuto	NY-150	DR-22	
Rickey Stein	NJ-1	FRG-7000	M-200E
Len Stock	CO-25	FRG-7000	

VOICE					
2150	USB	7-21	1254	USS GRIDLEY wkg USS COOK (USN Tug Freq)	MC
	USB	7-21	1304	USS O'BRIEN wkg SAN DIEGO CONTROL 1	MC
	USB	7-27	1315	USS DUNCAN wkg LONG BEACH CONTROL 2	MC
2566	USB	7-21	0426	USS O'BRIEN wkg KOU-SAN PEDRO MARINE OPERATOR	MC
4063	USB	7-21	1207	Tanker MANHATTAN wkg KMI-OAKLAND MARINE OPER.	MC
4721	USB	7-20	0405	ANDREWS, MD wkg CAMELBOY and CHECKMATE	RK
4740.5	USB	7-25	0649	CROSSCUT (NAS Barbers Pt) wkg FYØ94	MC
5327	LSB	7-17	1326	WI67 wkg WI617 w/tfc, Unknown stations	LS
5400	USB	7-20	1301	WUD6 USACE St Paul, MN wkg WUD635 w/ tfc	LS
5638	A3H	7-1	0530	GANDER, Nfld wkg FRENCH MILITARY 88Ø2	AR
5696	USB	6-12	0145	MIAMI (USCG), also heard MOBILE AIR & PORTSMOUTH	RP
6506.4	USB	7-7	1156	NOAA CHAPMAN wkg COMMSTA KODIAK, AK	MC
	USB	7-16	1221	NOAA MILLER FREEMAN wkg CGC POLAR STAR	MC
	USB	7-16	1228	NOAA OCEANOGRAPHER wkg COMSTA SAN FRANCISCO	MC
	USB	7-16	1223	CGC YAKONA wkg COMMSTA SAN FRANCISCO	MC
6519	USB	6-30	0040	COMSTA PORTSMOUTH wkg CGC BIBB	RK
6526	USB	7-27	1211	SPEEDBIRD SYDNEY wkg SPEEDBIRD 1 (LDOC Freq)	MC
6715	USB	7-9	0355	KØ4H wkg C81 aircraft w/ traffic	LS
6723	USB	7-10	0255	RASPBERRY MIRAMAR wkg aircraft PAPA PAPA	DB
	USB	7-13	0336	T4X wkg 65E, USN tactical	DB
6750	USB	6-16	0600	MAC DILL, Fl wkg JAØ66 p/p to IRONSIDE BASE	RK
6756	USB	7-18	1900	ANDREWS, Md wkg SAM 24199 (from Ottawa)	RK
	USB	7-19	1445	ANDREWS, Md wkg SAM 31681 (to Ottawa)	RK
	USB	7-19	1450	ANDREWS, Md wkg ARMY 22563	RK
	USB	7-19	1930	ANDREWS, Md wkg CHECKMATE, CAMELBOY and NEW TOY	RK
6761	USB	7-19	0205	SAM ØØØ12 clg SKYBIRD for Radio check	MA
6960	LSB	7-5	0335	Illegal truckers using out-of-band ham gear	BR
6991	LSB	7-15	1256	58 MIKE wkg 68 INDIA	LS
7527	USB	6-25	0036	LOOKOUT wkg OMAHA 52	BR
8101	USB	7-8	0207	RAINBOW, RIVALRY, PROVERB Radio checking each other	BR
8291	USB	7-10	0250	KHF "BASE" Morgan City, LA working vessel HERITAGE	DB

8654	USB	7-21	1932	ODDBALL 22 wkg GLOBEROOM 12 w/ tfc	LS
8728.2	USB	7-22	1212	SINGAPORE RADIO, OM EE tfc/freq list	MC
8731.3	USB	6-26	0500	WOM AT&T MIAMI, Fl wkg vessel NORWAY	RP
8753	USB	7-21	1229	JBO Tokyo Radio, Japan, YL EE/JJ vm	MC
8762.3	USB	7-17	1230	SINGAPORE RADIO wkg A7DE HALUL	MC
8826	A3H	6-18	0438	NIAMEY, Niger wkg TRANSAMERICA 12	AR
	A3H	7-1	0408	LIMA, Peru wkg LUFTANSA 512	AR
8945	A3H	6-26	0320	SANTA MARIA, Azores wkg EVERGREEN INTL 8Ø1	AR
8847	A3H	7-8	0351	BRASILIA, Brazil wkg CLIPPER 44Ø	AR
	A3H	7-10	0707	RIO, Brazil wkg CLIPPER 441	AR
8882	A3H	6-25	0415	SAL ISLAND, Cape Verde wkg IBERIA 999	AR
8910	A3H	6-24	0605	CHURCHILL, Canada wkg TWA 76Ø	AR
	A3H	6-26	0549	GANDER, Nfld wkg ICELANDAIR 62Ø	AR
	A3H	6-29	0410	FROBISHER, Canada wkg ASCOT 23Ø6	AR
8917	USB	6-25	2047	LOCKHEED ØØ2 wkg LOCKHEED 7	LS
8959	A3H	6-21	0326	MOGADISCIO, Somalia wkg C9CAA	AR
	A3H	6-23	0424	PIARCO wkg IBERIA 984	AR
	A3H	7-5	0323	KHARTOUM, Sudan wkg BALAIR 62Ø	AR
8989	USB	6-21	0615	MC CLELLAN RESCUE, CA wkg CG15Ø2	RP
9018	USB	7-19	1945	ANDREWS, Md wkg CHECKMATE & CAMELBOY	RK
9056	LSB	7-20	1410	ABACAS wkg DEPLOY with p/p (SAC-PAPA freq??)	LS
10049	A3H	7-2	0340	ALGIERS, Algeria wkg AIR PORTUGAL 37Ø	AR
10453.5	USB	7-20	1307	FIVE SPOT (USAF/DCA) coded msg to FLETCHER & AMERICAN EAGLE	MC
10493	USB	7-14	2005	WGY9Ø8 wkg WGY 9Ø6 (FEMA net)	LS
10523.6	USB	7-20	1330	YAKOTA MONITOR (USCG) wkg MARCUS LORAN	MC
	USB	7-9	1401	YAKOTA MONITOR (USCG) wkg MARCUS LORAN	LS
10530	USB	7-14	1456	ANDREWS, Md wkg "89" with traffic	LS
11107.5	USB	7-16	0045	SPY STATION: YL GG 4-digits, "ENDE" and tone	MA
11118	USB	7-10	1534	SHELLAC, LIFELONG & RAWNESS wkg each other	BR
11246	USB	6-12	1859	AGAR 73 wkg MAC DILL, Fl (USAF)	BR
11367	A3H	6-17	1924	NEW YORK, NY wkg N19ES	AR
	A3H	6-24	1819	NEW YORK ,NY wkg AIR VERLIN 1Ø1	AR
	A3H	7-7	1749	SAN JUAN, Puerto Rico wkg OK629 (Czech)	AR
11402.5	USB	7-20	1244	MAJURO AIR FREIGHT, Marshall Is wkg HONOLULU OPS	MC
	USB	7-20	1252	GUAM OPERATIONS wkg MAJURO AIR FREIGHT OPS	MC
11555	USB	7-30	1437	KRF263 (DOE) wkg "3Ø4" w/ traffic	LS
11610	USB	7-20	1346	SOFTCOAL wkg DECOY w/ traffic	LS
12336.2	USB	7-22	1222	Submarine OTWAY (RAN) p/p via VIS Sydney Radio	MC
13116.3	USB	6-25	0434	WOM AT&T MIAMI, Fl wkg "QUEEN MARY"	RP
13144.2	USB	6-27	0320	WOM AT&T MIAMI, Fl wkg QUEEN ELIZABETH II	RP
13328	A3H	6-24	1547	GANDER, Nfld wkg WORLD WAYS LTD 1Ø4	AR
13210	USB	7-9	0229	MAC DILL, Fl wkg DECORATOR w/ coded message	DB
13211	USB	6-25	1510	FEARLESS, HIGHTIDE & DIADEM wkg each other	BR
	LSB	7-9	0230	RUBDOWN clg RIDERLESS (SAC-BW freq)	DB
	LSB	7-9	0237	FLYBOY clg UNCLE JOE with coded message	DB
	LSB	7-9	0238	VIOLET wkg HONORABLE	DB
13215	LSB	6-29	1635	AIR FORCE 1 test counts with ANDREWS	BR
	LSB	6-29	1749	CROWN (WHCA) wkg AIR FORCE 1 via ANDREWS	BR
13431	USB	7-19	0322	TANGO MIKE wkg UNIFORM PAPA w/ net roll call	LS
14477	USB	7-27	0026	NNNØCRB USS DETROIT wkg NNNØAAJ w/ p/p	MC
14586	A3H	6-5	0218	SPY STATION: GG YL 5-digits in 3x2 form	BR
15895	USB	6-26	0047	ALFA WHISKEY wkg 6 MIKE BRAVO 11 w/ tfc	LS
	USB	6-30	1326	FOXTROT wkg TANGO w/ traffic	LS
17965	USB	6-25	1441	KBU6 wkg 73CR, flight test	BR
18666	USB	6-28	1821	BRONCO Ø3 wkg ATLAS with radio check	BR
	USB	7-14	1323	FLINT Ø57 wkg ATLAS with phone patch	MC

MORSE

2174.5	CW	6-5	0305	"MUV" Calibration Radiobeacon	BR
7705	CW	7-13	0115	AOK-USN Rota Spain w/ multicall tape	MA
8440	CW	7-8	0140	VCS Coast Guard Halifax, NS w/ V tape	MA
8465	CW	7-5	0155	NMN Coast Guard Portsmouth, VA w/ CQ tape	MA
8471	CW	7-8	0142	NMR Coast Guard San Juan, PR w/ V tape	MA

8568.5	CW	7-6	0136	GKD4 Portishead Radio, UK w/ stuck V mkr	MA
10944.8	CW	7-14	0142	CFH Halifax Military, NS "NAWS"	MA
12953.9	CW	6-30	0102	DFH43/DFM95 unk german station	MA
13100	CW	6-30	0059	TIM Limon Radio, Costa Rica w/ V mkr	MA
16899a	CW	7-22	0051	OXZ82 Lyngby, Denmark w/ V mkr	MA
16955a	CW	7-19	0100	FUF French Navy Ft de France, Martinique, V mkr	MA
16980	CW	7-22	0049	DAM Nordeich Radio, Germany, V mkr	MA
22075	CW	7-4	1530	CCS Santiago Naval Radio, Chile, V mkr	MA
11420.5	CW	7-4	0100	PPR Rio de Janiero, Brazil, CQ mkr	MA

RTTY

5740	66/425	6-17	0223	HZN? Jeddah Metro, Saudi Arabia, coded wx	RS
5819	66/425R	6-17	0226	9HA Luqa Aero, Malta, RY test	RS
6795	66/425R	6-17	0231	LZM7 Sofia Metro, Bulgaria, coded wx	RS
6943a	100/170R	6-17	0234	Kavala, Greece (VOA) EE tfc, weak signal	RS
7423.2	66/425R	6-17	0237	5YD Nairobi Aero, Kenya, RY test	RS
7625	66/425	6-17	0245	HZN47 Jeddah Metro, Saudi Arabia, coded wx	RS
7694	66/ R	7-13	0120	SOH269 Poland w/ RY tape clg HAVANA, Cuba	MA
7821.5	66/425R	6-17	0251	5UC47 Cairo Aero, Egypt, fox test	RS
8022.3	66/	7-17	0121	FTI3 France, AFP news in EE	MA
9314.8	66/ R	7-6	0150	SWA Athens Aero, Greece, relay to GBC325	MA
9349	66/ R	7-8	0149	GIC29B AP London, UK, EE news	MA
9855	100/425	6-17	0257	Unk location (VOA) EE news	RS
9890	66/850R	6-17	0300	CFH Halifax Military, NS, tfc and wx	RS
10615	66/425	6-10	0342	FTK81 Paris, France, AFP news in EE	RS
10650	66/425R	6-10	0340	GIC3ØB London, UK AP news in EE	RS
10940	66/ R	7-10	0145	FTK94 Paris, France, AFP news in SS	MA
10950	100/425	6-11	0132	WBR5 Miami, Fl, coded wx	RS
11416	66/ R	6-26	0035	SNA, Saudi Arabia, RY and AA news	MA
11435	66/	7-1	0046	CXK, unk location, RY tape	MA
12515	66/	7-22	0100	3rd shift Cyrillic traffic for Murmansk	MA
13366.5	66/425R	6-12	0109	5YD9 Nairobi Aero, Kenya, RY tape	RS
13447	66/425R	7-8	0154	4XM4 Bet Dagan Metro, Israel, CQ mkr	RS
13515	66/425R	6-11	0110	MKD RAF Akrotiri, Cyprus, RYI/Fox test	RS
14385	100/170R	6-14	1332	Navy MARS network with several stations	RS
14405.5	66/425R	6-12	0034	MKD RAF Akrotiri, Cyprus, RYI/Fox test	RS
14515	66/425R	6-10	0241	GPN34 London, UK, Reuters EE news	RS
14566	66/425R	6-14	1337	CLN445 PL Havana, Cuba, RY/Fox test	RS
14853	100/850	6-14	1341	WBR5 Miami Metro, Fl wx tfc	RS
14928	66/425	6-14	1345	CLN452 PL Havana, Cuba, RY/Fox test	RS
14928	66/	6-29	0050	CLN452 PL Havana, Cuba, RY/Fox test	RS
14973	66/425R	6-10	0330	GBW34B AP London, UK, EE news	RS
15710	100/	6-30	0048	KWS78 US Embassy Cyprus, RY tape	MA
16135	66/	7-19	0050	CML47 Havana, Cuba, SS tfc for New York City	MA
16184.6	66/	6-29	0030	FZF62 Ft de France, Martinique, AFP SS news	MA
16687a	66/	6-29	0055	EVPS (USSR vessel) with RY tape	MA
16704.5	66/	7-1	0018	SOV17 Polish news Agency, PP news	MA
16805a	66/	7-15	0022	UOUG RY and 3rd shift traffic	MA
17100	100/ R	7-5	0022	"RETJ" Madrid Naval Radio, Spain, RY tape	MA
18067.5	66/850R	6-14	1348	NBA USN Balboa, CZ with SS tfc	RS
18148	100/425	6-14	1350	KWS78 US Embassy Cyprus, Fox test	RS
18165	66/425R	6-14	1352	STK Khartoum Aero, Sudan, backwards ry tape	RS
18195	66/425R	6-14	1402	FTS91 Paris, France, tfc for Hanoi	RS
18669.6	66/425	6-12	1150	FTS67 Paris, France, EE news	RS
18823	66/425	6-14	1357	Y2V38 Berlin, E Germany, ADN with RY test	RS
19731	100/425R	6-12	0227	4UA United Nations Rawilpindi, Pakistan, RY	RS
19922.5	100/425R	6-12	0230	4UZ39 UN Geneva, Switzerland, EE traffic	RS
20325	66/ R	7-4	1522	Paris, France, AFP with SS news	MA
21940	66/425	6-10	0500	7AX99 Algiers Metro, Algeria, coded wx	RS

For Ron Pokatiloff: The "Queen Mary" that you heard is probably a fishing vessel with the callsign of WY5524 of the Marilyn M. Fishing Corp of San Diego. The original Queen Mary is still berthed in Long Beach.

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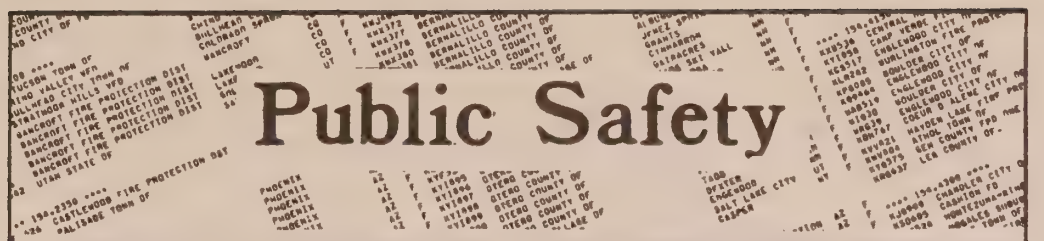


Public Safety

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police, sheriff, fire forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway and street maintenance, port authority/ bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional editors of Public Safety, who are listed below.

PUBLIC SAFETY - WEST

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming to: George Hoggatt, 17473 E. 16th Drive, Aurora, CO 80011.

Time for another column. I hope this one gets to California in time. I am writing it on the second day of the air controllers strike.

BOULDER/WELD COUNTIES COLORADO

Ed Lambright (MO-028), former Communications Supervisor for Boulder County, has supplied the answer to why Weld County is using the call and frequencies of a Boulder County license (460.200/465.200). This channel was originally intended for the mountain cars and the communications van. Weld County was given permission to use the same system (via the Horsetooth repeater) with a different CTCS tone. The Motorola PAK RT system Boulder wanted to use suffered from excessive interference and the system is not being used by Boulder County but apparently Weld County is continuing to use it. Thanks Ed.

TACOMA WASHINGTON

Matt Mercer (WA-012) leftoff some information he intended to include for last month:

BASE	MOBILE	TYPE	REMARKS
460.150	465.150	PP RP	Police F-1 special events and operations
460.050	465.050	PP RP	Police F-2 city dispatch
460.350	465.350	PP RP	Police F-3 data and secondary dispatch
460.300	465.300	PP RP	Police F-4 Tactical, car to car
none	460.150	PP MO	Police hand held to hand held special eventsF-5
none	460.300	PP MO	Police F-6 hand held to hand held stakeouts

LAS VEGAS NEVADA AREA

Matt has more on police operations at his new home too:

Las Vegas Police: CODES

CODE 1 ? CODE 2 As soon as possible CODE 3 EMERGENCY

CODE 4 Okay (situation under control)

CODE RED indicates an extream emergency such as a major fight or riot etc.

Las Vegas Police may go to scramblers. They have used scramblers in the past, but have found the operation expensive and hard to maintain. However, Las Vegas had an almost successful burglary of one million dollars. The crooks were nabbed, but police found scanners in their possession, set on the Police channels. The local newspapers and TV stations made a big deal out of it. (more publicity that we don't need ED)

Keep us informed if and when they do go to scramblers Matt.

North Las Vegas PD

460.075	465.075	PP RP	Detectives ch. 1
460.050	465.050	PP RP	Tactical and dog cars ch. 2
460.125	465.125	PP RP	Dispatch Ch. 3

OREGON

A non-member Rod Davis has submitted a very long list of Oregon assignments. I hope that Rod will become a member. In any case thanks are due. I will print it, starting here, over two or three months.

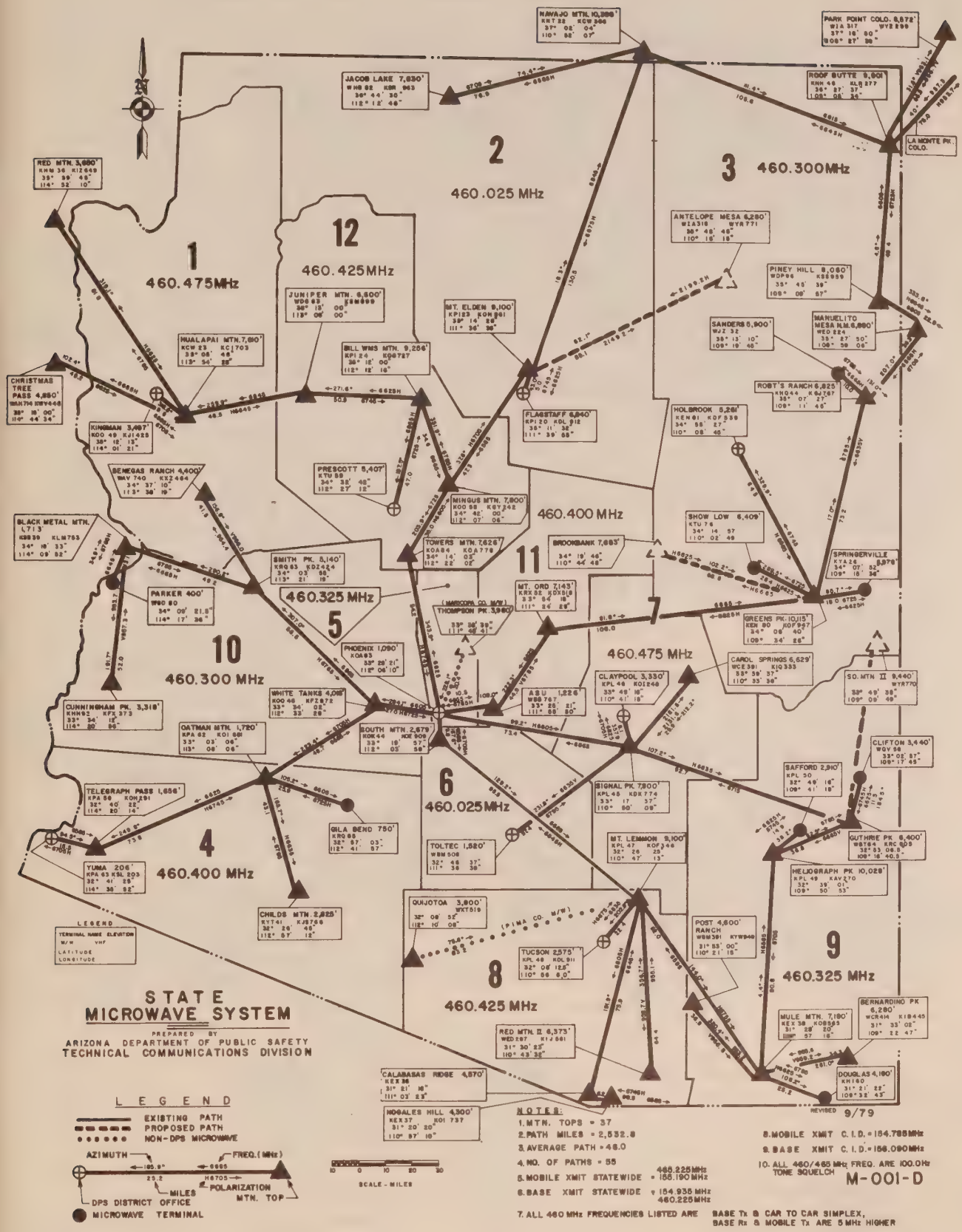
153.815	153.815	PL BA MO	Albany Police F1
153.875	153.875	PL BA MO	Albany Public Works
155.010	155.010	PP BA MO	Albany PD county common freq.
45.320	45.320	PL BA MO	Amity police
154.175	154.175	PF BA MO	Ashland Fire ch. 1
155.760	155.760	PL BA MO	Ashland Public Works
155.010	155.010	PP BA MO	Ashland Police Ch. 1
none	155.490	PP MO	Ashland Police Ch. 2
155.250	?	PP RP	Astoria Police Ch. 1 (input could be 155.670 or 155.685)
155.725	155.725	PP BA MO	Athena Police Ch. 1
153.770	153.770	PF BA MO	Aurora Rural FPD #3 ch. 1
154.160	154.160	PF BA MO	Aurora Rural FPD #3 ch. 2
155.760	155.760	PL BA MO	Bandon Police
154.400	154.400	PF BA MO	Beaverton Fire ch. 1
155.880	155.880	PL BA MO	Beaverton Public Works
154.650	154.650	PP BA MO	Beaverton Police Ch. 1 dispatch
155.010	155.010	PP BA MO	Beaverton County Common
159.030	159.030	PP BA MO	Beaverton Inter-city Net
155.490	156.090	PP RP	Benton County Sheriff Ch 1 dispatch
153.890	153.890	PF BA MO	Canby Fire ch. 1
154.190	154.190	PF BA MO	Canby Fire ch. 2
154.025	154.025	PL BA MO	Canby Public Works
155.790	155.130	PP BA MO	Cannon Beach Police
155.250	155.250	PP BA MO	Central Point Police ch. 1 dispatch
none	155.490	PP MO	Central Point Police ch. 2 car to car
156.570	156.570	PP BA MO	Central Point Police ch. 3 tactical
154.190	154.190	PF BA MO	Clakamas County Fire dist #1 ch. 1 dispatch
153.890	153.890	PF BA MO	Clakamas County Fire Dist #1 ch. 2
154.220	154.220	PF BA MO	Clakamas County Fire Dist #1 ch. 3 operations
154.280	154.280	PF BA MO	Clakamas County Fire Dist #1 ch. 4 mutual aid
154.325	154.325	PF BA MO	Clakamas County Fire Dist #1 ch. 5 operations
154.190	154.190	PF BA MO	Clakamas County Fire Dist #54 Ch. 1
154.220	154.220	PF BA MO	Clakamas County Fire Dist #54 Ch. 3
154.280	154.280	PF BA MO	Clakamas County Fire Dist #54 Ch. 4

STATE OF ARIZONA

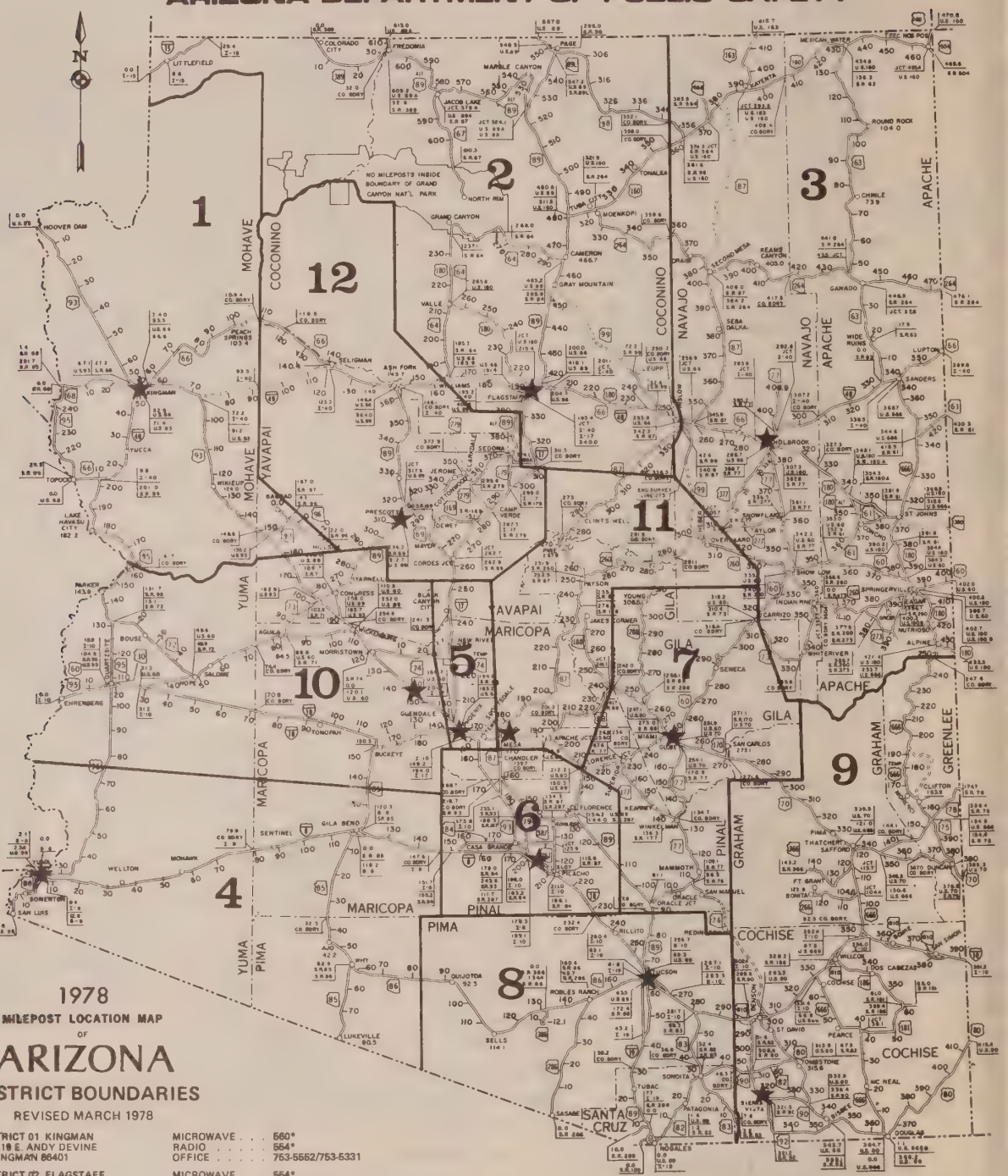
If there are maps with this column, you will know that the paste up crew was able to fit them on the page, if not, you will know that they would not fit.

Among the information sent along by Bob Hatter (AZ-002) were several maps showing a lot about the Arizona DPS radio system. Unfortuatly these are about 7½ inches wide or about a half an inch wider than the paste up crew and printer want. I am going to send them along and hope that they will fit. Information could be lost if I try to make a 7 inch base map and copy the data on to it.

Except for the maps, that is it for this month. Same time same magazine next month (strikes permitting).


STATE MICROWAVE SYSTEM
PREPARED BY
ARIZONA DEPARTMENT OF PUBLIC SAFETY
TECHNICAL COMMUNICATIONS DIVISION
1 460.475MHz
2 460.025 MHz
3 460.300MHz
4 460.400 MHz
5 460.325 MHz
6 460.025MHz
7 460.475 MHz
8 460.425MHz
9 460.325 MHz
10 460.300 MHz
11 460.400 MHz
12 460.425MHz
NAVAJO MTN. 10,388'
PARK POINT COLO. 8,872'
JACOB LAKE 7,630'
ROOF BUTTE 9,801'
LA MONTE PK. COLO.
RED MTN. 3,680'
ANTELOPE MESA 6,280'
PINEY HILL 8,080'
JUNIPER MTN. 6,800'
MT. ELDEN 9,100'
SANDERS 6,900'
MANUELITO MESA N.M. 6,880'
HUALAPAI MTN. 7,690'
BILL WMS MTN. 9,256'
ROBT'S RANCH 6,825'
CHRISTMAS TREE PASS 4,650'
FLAGSTAFF 6,840'
HOLBROOK 5,261'
KINGMAN 3,497'
PRESCOTT 5,407'
BENEGAS RANCH 4,400'
MINGUS MTN. 7,800'
BLACK METAL MTN. 4,713'
BROOKBANK 7,683'
SHOW LOW 6,409'
SPRINGERVILLE 6,878'
SMITH PK. 5,140'
TOWERS MTN. 7,626'
PARKER 400'
MT. ORD 7,143'
THOMPSON PK. 3,960'
GREENS PK. 10,115'
PHOENIX 1,090'
CAROL SPRINGS 6,629'
CLAYPOOL 3,330'
SO. MTN II 9,440'
WHITE TANKS 4,018'
ASU 1,226'
CUNNINGHAM PK. 3,318'
OATMAN MTN. 1,720'
SOUTH MTN. 2,679'
SAFFORD 2,910'
CLIFTON 3,440'
SIGNAL PK. 7,800'
TELEGRAPH PASS 1,656'
GUTHRIE PK. 6,400'
MT. LEMMON 9,100'
HELIOGRAPH PK. 10,028'
GILA BEND 750'
TOLTEC 1,580'
YUMA 206'
QUIJOTOA 3,800'
POST 4,600' RANCH
CHILDS MTN. 2,825'
TUCSON 2,575'
BERNARDINO PK. 6,280'
MULE MTN. 7,180'
RED MTN. II 6,373'
CALABASAS RIDGE 4,870'
DOUGLAS 4,190'
NOGALES HILL 4,300'
LEGEND
EXISTING PATH
PROPOSED PATH
NON-DPS MICROWAVE
AZIMUTH
FREQ. (MHz)
MILES
POLARIZATION
MTN. TOP
DPS DISTRICT OFFICE
MICROWAVE TERMINAL
SCALE - MILES
NOTES:
1. MTN. TOPS = 37
2. PATH MILES = 2,532.8
3. AVERAGE PATH = 46.0
4. NO. OF PATHS = 55
5. MOBILE XMIT STATEWIDE = 460.225MHz, 156.180 MHz
6. BASE XMIT STATEWIDE = 154.935 MHz, 460.225MHz
7. ALL 460 MHz FREQUENCIES LISTED ARE BASE Tx & CAR TO CAR SIMPLEX, BASE Rx & MOBILE Tx ARE 5 MHz HIGHER
8. MOBILE XMIT C. I. D. = 154.785MHz
9. BASE XMIT C. I. D. = 156.090MHz
10. ALL 460/465 MHz FREQ. ARE 100.0Hz TONE SQUELCH
REVISED 9/79
M-001-D

ARIZONA DEPARTMENT OF PUBLIC SAFETY



1978

MILEPOST LOCATION MAP

OF

ARIZONA

DISTRICT BOUNDARIES

REVISED MARCH 1978

DISTRICT 01 KINGMAN
2319 E. ANDY DEVINE
KINGMAN 86401
MICROWAVE . . . 560*
RADIO 554*
OFFICE 753-5552/753-5331

DISTRICT 02 FLAGSTAFF
1100 W. KAIBAB LANE
FLAGSTAFF 86001
MICROWAVE . . . 554*
RADIO 554*
OFFICE 774-4561

DISTRICT 03 HOLBROOK
2411 EAST NAVAJO BOULEVARD
MAIL ADDRESS: P.O. BOX 878
HOLBROOK 86025
MICROWAVE . . . 570*
RADIO 554*
OFFICE 524-6177

DISTRICT 04 YUMA
2111 GILA RIDGE ROAD
MAIL ADDRESS: P.O. BOX 5179
YUMA 85364
MICROWAVE . . . 564*
RADIO 207
OFFICE 782-1679

DISTRICT 09 SIERRA VISTA
4001 E. FOOTHILLS DRIVE
MAIL ADDRESS: P.O. BOX 1628
SIERRA VISTA 85635
MICROWAVE . . . NONE
RADIO 71-7-47
OFFICE 458-8301/882-5799

DISTRICT 10 PHOENIX
12630 N. 103RD AVENUE, SUITE 38
SUN CITY 85351
EXT. 403
RADIO 206
OFFICE 262-8403/974-9500

DISTRICT 11 MESA
2408 N. COUNTRY CLUB DRIVE
MAIL ADDRESS: P.O. BOX 6638
PHOENIX 85006
MICROWAVE . . . 400
RADIO 204
OFFICE 262-8400/834-5250

DISTRICT 05 PHOENIX
1301 BLACK CANYON HIGHWAY
MAIL ADDRESS: P.O. BOX 6638
PHOENIX 85005
EXT. 406
RADIO 201
OFFICE 262-8406

DISTRICT 06 TOLTEC
HOUSER ROAD — ELOY
MAIL ADDRESS: P.O. BOX 61
ELOY 85231
MICROWAVE . . . 581*
RADIO 202
OFFICE 836-1067/836-1216

DISTRICT 07 CLAYPOOL
U.S. 60, MP 246.2
MAIL ADDRESS: DRAWER P
CLAYPOOL 85532
MICROWAVE . . . 568*
RADIO 204
OFFICE 473-2401

DISTRICT 08 TUCSON
6401 S. TUCSON BLVD.
MAIL ADDRESS: P.O. BOX 11810
TUCSON 85734
MICROWAVE . . . 71-7-62
RADIO 71-7-45
OFFICE 883-4600

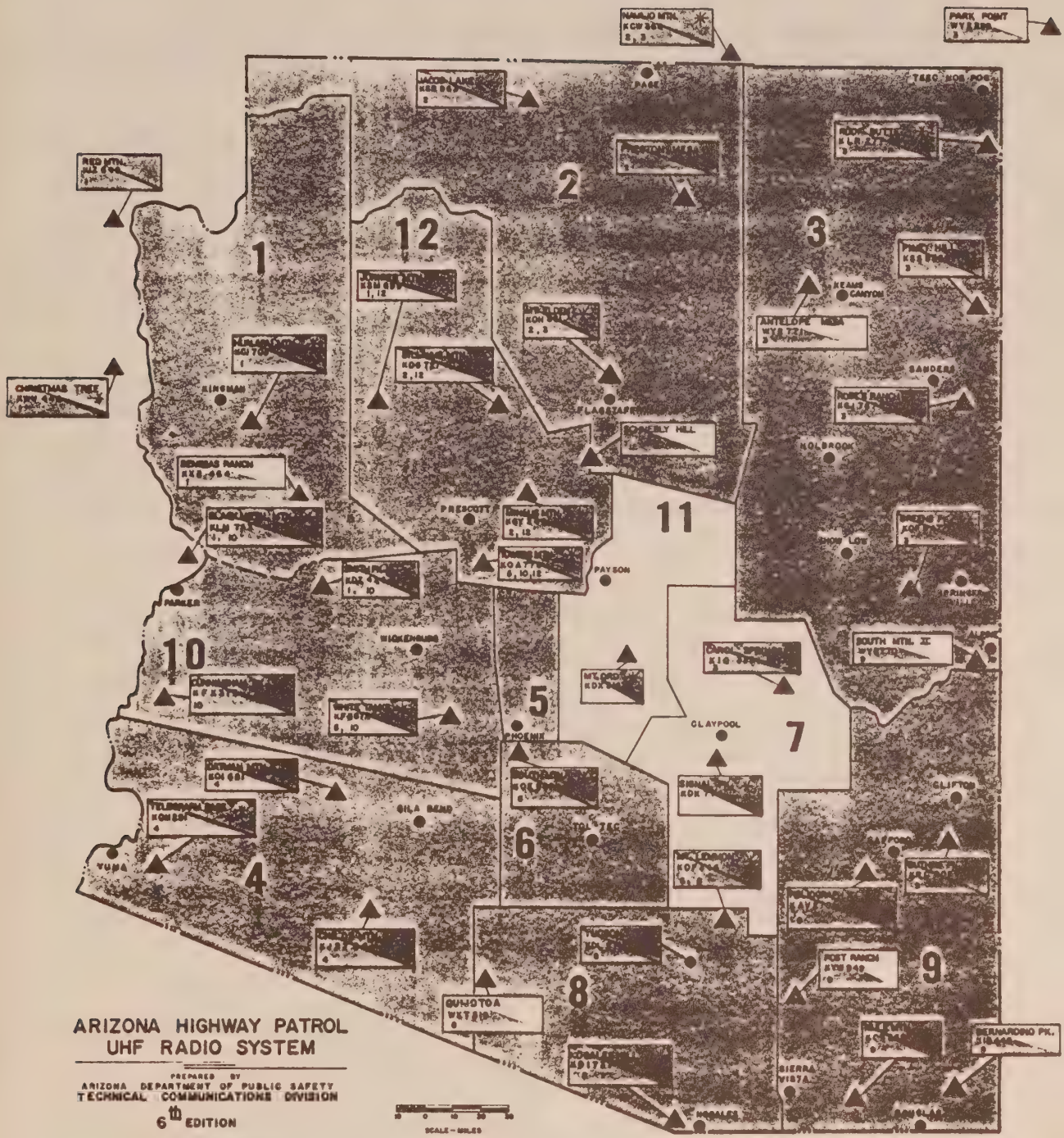
DISTRICT 12 PRESCOTT
1210 E. SHELDON
PRESCOTT 86301
MICROWAVE . . . 575*
RADIO 554*
OFFICE 445-1280

LEGEND

*— MICROWAVE IS 71 NUMBER

★— DISTRICT OFFICE

DPS 802-01691 3/78


1
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PAGE
KINGMAN
FLAGSTAFF
PRESCOTT
PAYSON
PARKER
WICKENBURG
PHOENIX
GLOBE
CLAYPOOL
GILA BEND
YUMA
TOLLESON
CLIFTON
SAFFORD
SUNSITES
HOLBROOK
SHOW LOW
SPRINGER
TUCSON
NOGALES
SIERRA VISTA
DOUGLAS
BERNARDINO PK.
ARIZONA HIGHWAY PATROL
UHF RADIO SYSTEM
PREPARED BY
ARIZONA DEPARTMENT OF PUBLIC SAFETY
TECHNICAL COMMUNICATIONS DIVISION
6th EDITION
MAY 1980
SCALE – MILES
MAP KEY
LOCATION
CALL SIGN
TRANSMITTER SITE
CITY
UHF STATE
CHANNEL AVAILABLE
VHF – UHF STATE FREQUENCY
CROSSBAND STATION
DISTRICT CHANNELS
AVAILABLE
M-010-C

PUBLIC SAFETY - CENTRAL

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alabama, Arkansas, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Tennessee, and Texas to: Mike Redman, P.O. Box 1177, St. Charles, MO 63301

Send material and questions for Illinois, Indiana, Wisconsin and Michigan to: John Arendt, 327 Boulder Hill Pass, Oswego, IL 60543.

Greetings! Thanks for spending a few minutes with PS-Central! We have a whole bunch of things to offer this month, and when your kids come home from Trick-or-Treating, let's hope someone has given them some crystals, crystal certificates, or frequency lists. Among the mail back in July (when this was written) came a letter from a member whose name escapes me and I cannot locate the letter. Sorry, but he did have a neat idea of learning new frequencies. Whenever he visited a new area or town he dropped into the local Radio Shack store and asked for the local frequency information. He's gotten excellent results and a good collection of lists as well. Sorry I can't find his name, but the suggestion is a good one. Space is going to force me to omit the Midwest Chapter Summaries this time, but I hope to have them back soon. If you're interested in forming a chapter, or want information on existing chapters, contact Ed Sirovy, IL-004, 311 South Williams, Westmont Illinois, 60559. The St. Louis Chapter meets on the 4th Sunday of the month at members' homes. If you're visiting in the St. Louis area around the 4th Sunday, contact me for the location (314-946-4331); and on to this month's material...

MISSOURI

Thanks to Zelwin Eaton (MO-048) and some microfiche research, we've begun to crack the mystery of the change in Missouri State Patrol repeater frequencies. Zelwin (Who I think made the suggestion about stopping by the Radio Shack stores) noted a repeater up in the 477 region. I don't believe that anywhere in Missouri is eligible for those frequencies, so I subtracted 21.6 and came up with the 456 Mhz band. Still strange. A search of the microfiche checking repeater sites formerly occupied by the 154.695 and 154.92 repeaters noted a number of new frequencies, often repeated at more than one location, but always one of these three channels:

456.275, 456.475, 456.525

These channels will be doing the same thing the old channels did- repeat 42.22 back to the troop headquarters and our scanners. The repeaters nearest St. Louis (Eolia and Knob Lick) are still on the air on VHF. Here's the rundown:

456.275:	KAD92,	Greencastle	Police, Repeater
	WGT387	Carthage	Police, Repeater
456.475:	KAA83	Deer Ridge	Police, Fixed Operational
	KAA90	Jericho Springs	Police, Fixed Operational
	KAB57	Martinsville	Police, Fixed Operational
	WGT587	Proctor	Police, Fixed Operational
	KAC86	Ridgely	Police, Fixed Operational
456.525	KAD90	Jamesport	Police, Fixed Operational
	KAA84	Lebanon	Police, Fixed Operational
	WGT589	Monroe City	Police, Fixed Operational
	WGT590	Ellington	Police, Fixed Operational
	KDX777	Ulrich	Police, Fixed Operational

All the above were issued in November, 1980. Looks like a strange place for Police repeaters, but a check of the FCC Rules helps to explain. 90.261 permits 'fixed operations' on a secondary basis, to Public Safety and Special Emergency licensees on a number of UHF frequencies. Industrial and Land Transportation are primary users. The catch is the station must be generally 85 miles from the center

of a city whose population or area population exceeds 600,000. That is why the local repeaters are still on VHF. Also, antennas must directional, so if you're not between the repeater and the nearest troop headquarters, you might not hear anything. So, Missouri members, put these into your monitors and let me know what you hear. As this system becomes more operational, I hope to have more details, so keep me informed!

SOUTH DAKOTA

RUDY (SD-003) was kind enough to provide this information from the southeastern part of South Dakota, and area we don't hear too much from. Hope this encourages others in this region to send along some frequency data.

39.10 State wide Ch. 1, Government Channel - SDHP, local law enforcement, local ambulances, State highway dept.

39.12 State wide Ch. 2- SDHP car to car

39.32 State wide Ch. 3, Law Channel- SDHP, All other law enforcement

39.16 State wide Ch. 4, SDHP and other law enforcement, car to base

39.24 State Police Radio (Parker), Ch. 4, base to car

39.28 State Police Radio (Hetland), Ch. 4, base to car

39.04 Yankton city and county

39.36 Lincoln county

155.070 Sioux Falls Police Ch. 1

155.130 Sioux Falls Police Ch. 2

155.190 Sioux Falls Fire Dept.

155.340 Ambulance and hospital EMS
155.325 " " " " " EMS
155.385 " " " " " EMS
→ basically State wide

158.745 Minnehaha County Civil Defense- Rural Fire Depts., Sioux Falls Ambulance and civil defense personnel

158.805 Clay and Union and Lincoln County CD

158.865 Hutchinson County CD

155.760 Charles Mix County CD, Yankton Fire Dept., Sioux Falls Street Dept.

155.040 Bon Homme County CD

154.115 State Highway Dept.

460.025 Minnehaha County Sheriff's Dept.

460.475 State Penitentiary (Sioux Falls), Human Services Center (Yankton)

ARKANSAS, LOUISIANA, ALABAMA, OKLAHOMA, TEXAS

Ken continues to do a fine job with this column. His Texan correspondents say they really appreciate having a Texan edit their column and I'm pleased to have a Texan write it-who knows better? Remember to send questions, frequencies, and comments for the states above to Ken Pehl (TX-003), 108 E. Centre St., Fredericksburg, TX 78624.

Welcome to another column. Before I begin on this month's contributions I wish to gratefully acknowledge all the well-wishing letters and phone calls I received. It's very nice of all of you. I hope I live up to your requirements and expectations as your area editor. The editorship, so far, has been a very satisfying experience for me and it's an interesting side light to see, hear and speak to a few of the many fine members in this area. Let me continue to hear from you as without your input I can't write much of a column. Again many thanks for all the nice wishes. Now let's get down to business...

Again let me remind you to send in your contributions of confirmed frequency lists to Ed Lentz, TX-45, 1211 Vince, Pasadena, TX 77506. Ed will compile and distribute this list to all who submitted contributions. Though this idea originated with an eye toward a 1981 vacation listening list, it's not too late to send in your contribution for next year!

A late breaking note from Larry Van Horn, ex-TN-14, organizer of the Dallas/Fort Worth area's Metroplex Chapter of the RCMA, reports that the chapter is just getting organized and already has had a few meetings. Larry also reports that the current situation with meeting room reservations precludes the scheduling of meetings further than one month in advance. So if you are interested in joining a meeting get-together, contact Larry beforehand for any details of meeting location and date. Plans by the chapter are to eventually have meetings in odd months and tours of some communication facility in even months. Larry also asks that if someone is planning on coming to their tours from out of town to notify the chapter in advance so as not to have any surprises for the host facility. Plans are also to have a mini-newsletter published for Texas/Oklahoma area members. The only thing the chapter asks is that to receive the newsletter, send a stack of SASE's (self addressed-stamped envelopes) to help keep costs down to an absolute minimum. Only people with a SASE on file will receive this service. Send your supply of SASE's to Metroplex Chapter c/o Larry Van Horn, 1111 North Carrier Parkway #B107, Grand Praire, TX 75050. This mini-newsletter at present will only be published on an as needed basis rather than on a regular basis.

I'm personally very happy to see such progress in a chapter organization. It really sounds like Larry and his chapter are getting it all together. So let's give them our wholehearted support! Also in the very near future this column will be supplied with computerized frequency list printouts gathered by the Metroplex Chapter!! So stay tuned!

I had no more than mailed in last month's column when I received a very generous contribution from Richard, TX-43, on Austin/Travis County area systems. A portion of Richard's contribution duplicated last month's listings, so Rich deserves equal billing of credit for confirming Dave's material. Richard continues on with some additional notes:

Austin Public Works Frequencies

154.965	Rptr	KLX 835	(153.755 input)	Water Dept.
155.760	Rptr	KEL 383	(155.025 input)	Street Dept.
158.835	Rptr	KRB 553	(153.860 input)	Electric Dept.

(ed. note: my files show the city of Austin as licensed on the following, activity/useage unknown. Can anyone help out?

153.530	KKT 354	
153.575	KM 4072	(25 units, 25 watts power)
158.250	KKA 612	

Richard continues:

Misc. Austin Local Govt Frequencies

155.925	Rptr	KTE 506	(153.785 input) Health Dept.
154.040	B/M	KDY 390	Civil Defense
453.200	Rptr	KFZ 805	Parks Dept.
453.550	Rptr	KUP 285	Buses

Austin Area Hospitals

Brackenridge	155.220	KWJ 359 b/m	Austin State Hospital	155.400	KQW 553	B/M
	155.340	" b/m		155.340	"	B/M
Holy Cross	155.280	KYN 921 b/m	Austin Ambulance Svc.	155.205	KYL 426	B/M
	155.340	KYB 649 b/m		155.340	"	B
Seaton	155.220	KLE 921 B/M				
	155.280	" B				
	155.340	" B				

Thank you Richard for writing.

ERROR ERROR

In the July '81 issue the frequency 488.6375 listed as Houston's Intercontinental Airport is in error. The correct useage is for Hobby Airport security.

From Ed, TX-45: Houston PD unit numbering is a 4 digit block of numbers and letter. The 1st digits represent the district number (a 1 or 2 digit figure). The 2nd portion is a letter A thru E, possibly indicating a beat or service #. The last two digits are believed to be the unit's individual number.

From Lee, TX-59: HPD unit numbering by district:

HOUSTON POLICE DEPT. DISTRICTS

CENTRAL

1-A-10 to 1-A-40
2-A-10 to 2-A-50
16-A-10 to 16-A-50
17-A-10 to 17-A-60

NORTHEAST

7-C-10 to 7-C-90
8-C-10 to 8-C-50
9-C-10 to 9-C-50
10-C-10 to 10-C-50

Southwest

15-E-10 to 15-E 70
18-E-10 to 18-E-70
19-E-10 to 19-E-60

NOTHWEST

3-B-10 to 3-B-60
6-B-10 to 6-B-60
4-F-10 to 4-F-40
5-F-10 to 5-F-46

SOUTHEAST

11-D-10 to 11-D-50
12-D-10 to 12-D-50
13-D-10 to 13-D-60
14-D-10 to 14-D-50
14-D-50 to 14-D-60 Clear Lake

On the subject of Houston, Lee also advises that since the June issue of the RCMA letter was published the Houston FD has added a new district #21, which includes station #8, #17, #18 with chief #6 in charge. Lee has also sent along a list of codes used by HFD:

10-1	Receiving Poorly.
10-2	Receiving well.
10-7	Out of service.
10-8	In service at home.
10-10	On the air in service.
10-12	On pager.
10-15	Give time check due to prisoner or witness in vehicle.
10-16	Pick up prisoner or witness.
10-20	At Fire Alarm Building.
10-21	Call by telephone.
10-24	Send fire investigator (Arson).
10-30	Send fire prevention inspector.
10-33	Notify police traffic control.
10-34	Obtain information for fire record.
10-35	Send photographer.
10-36	Send wrecker.
10-37	Send mechanic.
10-38	Send relief crew. (To be used from unit only).
10-40	Notify police for crowd control.
10-50	Fatality (Include number of 10-50, and whether firefighter or citizen N or W).
10-51	Body car.
10-52	Public Information Officer.
10-81	Fire Administration Headquarters.
10-97	On location (to be used by first unit in, on every location, including single unit responses, and by district chiefs).
10-98	All units involved in the same incident switch to F9 (unless dispatcher designates F7).

AMBULANCE CODES

10-85	Enroute to ____(name)_____ hospital.
10-87	At hospital.
10-51	Body car.
10-50	Code 1 - Recent DOA (Less than 12 Hours).
10-50	Code 2 - (More than 12 hours less than 24 hours).
10-50	Code 3 - (Dadly decomposed or charred which will require special handling).
	N for negro and W for white shall be added to 10-50 codes.
	Example: "1101, one 10-50 Code W 2"

OFFICIAL SIGNALS

2-11	Second Alarm
3-11	Third Alarm
4-11	Fourth Alarm
5-11	Fifth Alarm
7-1	Tap out
7-2	Mail Call
7-7	Pay Call
1-7	Recall off duty personnel to duty.

HOUSTON FIRE DEPT.

AIRPORT CODES

The severity of the incident is denoted by numbers 1, 2, or 3.

Code 1 - Minor difficulty indicated

Code 2 - Major difficulty indicated

Code 3 - Accident has occured

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We are flattered that these and others have taken their time to write to us. Comments like these only increase our desires to present products and services that are a direct result of the suggestions and recommendations of our customers.

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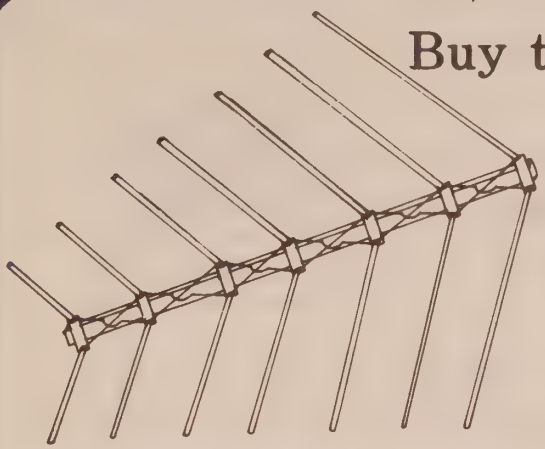

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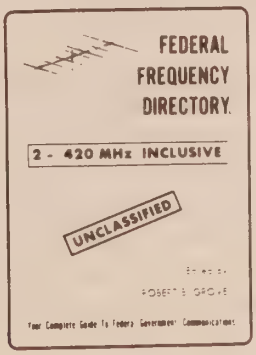

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The size of the aircraft is denoted by letters A,B,C, or D.

A - Alfa - indicates passenger capacity of 1 to 20

B - Bravo - indicates passenger capacity of 21 to 75

C - Charlie - indicates passenger capcity of 76 to 260

D - Delta - indicates passenger capacity of more than 260

HOUSTON FIRE DEPT.

Ambulance codes for Hospital Runs

Code 1 Minor Calls

Minor injury
Sick calls

Code 2 Serious Calls

Mild heart attacks
Strokes

Code 3 Critical calls

Shootings
Stabbings- cuttings
Automobile accidents
Industrial accidents
Heavy loss of blood

Thank you ever so much Lee!!

From David, TX-41, David in San Antonio sent some material on EMS telemetrying, since our previous attempt at finding the Houston FD-amb to hospital voice channel turned up a "phantom" frequency. Dave advises that the voice ch is multiplexed with the telemetry on the UHF MED channels, just as previously reported. Dave also advises that all Houston FD-amb communication base station equipment is duplicated both on the Shell Building and on the St. Luke's Hospital roof. Thank you Dave for taking the time to write and let us know.

From Roger, TX--87. additional Houston PD frequencies--
155.670--B/M-callsign not supplied--HPD personnel paging and for 3-wheel motorcycles
154.860--B/M-callsign not supplied--3-wheel motorcycles

From Enos, TX-28?: and my-self, TX-3: In the July issue of the newsletter reference was made to MAST helicopters being possibly inactive since no radio activity on law enforcement channels for air/ground co-ordination. MAST is NOT inactive. The 507th Air Ambulance Company (Ft Sam Houston) recently completed its 3,000th mission in the history of this program. They simply could not be heard with any radio activity because there was no radio transceiver on board to co-ordinate with law enforcement or medical facilities! The radio situation had never changed from what was described in the July issue, which was based on years old information, namely a lack of a high band transceiver. This fact has received much media attention lately and, as reported last month, a fund raising campaign was started by AACOG to set up a radio communication system for the 507th Air Ambulance Co.'s MAST choppers. At this time it seems that the necessary funds have been raised from private industry, private individuals, and various government entities in the area. It is expected that the radios are to be installed shortly. There are some vague hints in newspaper accounts on the new radio system that UHF MED telemetry frequencies could possibly be included in the new system.

And with that this month's column draws to a close. Again thanks for your support and keep it coming. Remember I want to see your letters in my mailbox.

And to further enlighten and thrill you, here's John Arendt with

ILLINOIS, INDIANA, MICHIGAN, & WISCONSIN

Greetings from Oswego and welcome aboard to this portion of the "Public Safety-Central" column. Rather than talk about the seasons, new radios, etc.-I had better get directly into the column material. There's been lots of member input during the last month-so much that some of it has to be deferred until next month. Have no fear-your contributions will show up.

SUMMARY OF JUNE 14th CHICAGO AREA CHAPTER MEETING The meeting was called to order at 1330. Thirty one members and guests from IL and WI were present. The following agenda items were discussed:

1. Opening remarks and announcements by moderators Joe Vinci and John Arendt.
2. Our special guest-a visitor from Bell Labs-spoke on the 800 MHZ AMPS mobile phone service, which was recently approved by the FCC. (His name is not given, as this was arranged on an unofficial basis).
3. A short discussion on microfiche by Tom Heiderer.
4. Presentation on the IL Dept. of Law Enforcement by John Arendt.
5. Report on the recently held RCMA Spring Festival at St. Louis by Rob Hupp.
6. Discussion on and demonstration of a Regency M400E (European version) scanner by George (WI-023).

You're all reminded of upcoming meetings to be held at Mancini's on Sept. 27th (Sun) and Nov. 21st (Sat.).

CHICAGO AREA CHAPTER TOUR OF "DU-COMM" Nine members and two guests were present on Saturday, June 20th. The tour started promptly at 10:30 A.M. Operations Manager Richard Bauer (who happens to be member IL-173) was on duty at the time.

We were ushered into a conference room where a complete and thorough explanation of operating procedures, etc. was given. There was plenty of time for questions and answers.

The tour began with an inspection of emergency operating facilities. ESDA (civil defense) operations for DuPage County plus Region 5-State of IL are also located at this facility.

The tour moved on to "behind-the-scenes" activity. Transmitters, telephone eqpt., etc. were viewed and completely explained.

Members then went into the actual dispatch area. Five dispatchers were on hand-4 people devoted exclusively to police purposes and the other person handling fire/EMS, etc. Were allowed to observe operations, take photographs, etc. Although we were not permitted to question the police dispatchers, the fire/EMS dispatchers was available for questions, etc. between calls. He explained his operations, procedures, and routines very thoroughly.

The tour concluded at approx. 1:30 P.M.

I'm going to present the second installment of portions of my presentation about the IL DEPT. OF LAW ENFORCEMENT - as given in June at the "RCMA Spring Festival" down in the St. Louis area. I've taken the list of transmitter sites in the "Police Call" and broken it down into various uses.

1. Remote sites are generally connected to the dist. headquarters via microwave links.
2. Weigh scale sites are authorized to operate on the 42MHZ dist base and statewide car-car freqs. only. Where known, the scale #s are given, as scales sometimes ID only by number.
3. Where known, references are made to the Dept. of Criminal Investigation. Dispatching functions are combined in most instances. (Most DCI agents-

are "dispatched" from I.S.P. dist. headquarters).
Another installment will follow next month.

Richard (IL-173) provided a handout to those in attendance at the DU-COMM tour. I'M going to summarize some of the most important material as follows:
DU-COMM is a quasi-governmental agency providing telecommunications services for 8 police depts. and 10 fire/EMS depts. It's located in the underground DuPage Civil Defense Emergency Operating Center in Wheaton, IL.
Fire main radio freqs. are utilized for police dispatching (all have call sign KZA347):
EAST 1 - 470.3875 rptr. - Lombard/Villa Park
EAST 3 - 470.8875 rptr. - Elmhurst/Oakbrook Terrace
WEST 1 - 470.6875 rptr. - Hanover Park/Carol Stream
WEST 3 - 471.1375 pptr. - Glen Ellyn/Winfield
CHAN 5 - 471.0125 rptr. - all above agencies
Rptr. talkaround (simplex) capability is available on all freqs. Chan. 5 is utilized for special functions, lengthy car-car traffic, etc. and is shared with several other police agencies operating in DuPage County.
Point-point capability can be found on 155.370 (KZA229). Planning is going ahead for installation of the 155.055-IREACH freq. in the near future.

Three main channels are available for fire/EMS use:
EAST FIRE - 154.415 rptr. out (154.145 in) KJD387 - for Elmhurst, Oakbrook Terrace Fire Dist., Villa Park, Lombard, and York Center Fire Dist.
WEST FIRE - 154.310 simplex KZA231-for Glen Ellyn, Winfield Fire Dist, Carol Stream Fire Dist, Bartlett Fire Dist, and Glenside Fire Dist.
MIFERN - 154.265 simplex KAG804/KJD375 - mutual aid. Also at the fire/EMS console is a transmitter for the Elmhurst Public Works freq. - 154.040 KSI453-for simulcasting (along with the main freq) box alarms in the city of Elmhurst.
Civil defense alerts are broadcast for Glen Ellyn, Elmhurst, and the Glenside Fire Dist.
Two other agencies serviced by DU-COMM include the Lombard and Carol Stream Park Dists.

Richard, thank you for a most comprehensive contribution.

continued

MONITORING & THE LAW

EDITOR WANTED!

We need a new Monitoring and the Law column editor. This person should have some familiarity with monitoring laws and it would be desireable if he/she had a collection of them from around the nation. This editor would be required to generate some information for the column as well as organize input from the general membership. If you are interested, please TYPE a letter telling about yourself and qualifications to: RCMA Managing Editor, P. O. Box 1119, Flemington, N.J. 08822

IL. DEPT. OF LAW ENFORCEMENT - TRANSMITTER SITES

	LOCATION	CALL SIGN(S)	ISP DIST.	ISP HQ	WEIGH SCALE	TRANS. REMOTE	OTHER USES		COMMENTS
1	ALTON	KGK474 / WSR205					S.O.S. INVESTIGATORS	"J4"	
2	ANDOVER	KSM200	7			X			
3	ASHKUM	KLM608	6A				D.O.I. BASE on 154.905	Z6	
4	ASHKUM	KZA240	6A			X	D.O.I. BASE on 154.905	Z6	
5	BOLINGBROOK	KLY863	5		6S				
6	BOLING BROOK	KSB986	5		6N				
7	BROWNSTOWN	KUV685	12		X				
8	CAIRO	KSG291	13A	X			D.O.I. BASE on 154.905	Z13	
9	CARBONDALE	KXR832					SOUTHERN IL ENFORCEMENT	GROUP	
10	CARLOCK	KJW443	6		4E				
11	CARLOCK	KJW525	6		4W				
12	CARMI	KSI983	19	X			D.O.I. BASE on 154.905	Z19	
13	CHAMPAIGN	KYT853					D.O.I. BASE		NO LONGER USED
14	CHERRY VALLEY	KVQ606					D.O.I. BASE		NO LONGER USED
15	CHESTER	KDV728							NO LONGER USED
16	CHICAGO	KSB242	3	X			D.O.I. BASE		ALSO HAS 154.905
17	CHICAGO	KTC876					D.O.I. BASE on 154.905	Z3/Z4	
18	CHICAGO	KSE990					GOVERNOR'S MANSION		ID'S as "EDWARD-99"
19	CHICAGO	KVU431							NO LONGER USED
20	CHICAGO HEIGHTS	KSC729	4		8				
21	COLLINSVILLE	KGV265	11		33 E				
22	COLLINSVILLE	KGV266	11		33 W				
23	COLLINSVILLE	KYQ562				X	D.O.I. BASE on 154.905		"MARYVILLE"
24	COMPTON	KSB988	1		11				
25	CRESTWOOD	KSB231	4	X			D.O.I. BASE	Z4	
26	CROSSVILLE	KSC456	19		X				
27	CYPRESS	KYW823	13A			X			
28	DU QUOIN	KSB234	13	X			D.O.I. BASE on 154.905	Z13	
29	EATON	KZC644	12			X			
30	EDWARDSVILLE	KSB235	11	X			D.O.I. BASE on 154.905	Z11	"MARYVILLE"
31	EFFINGHAM	KSB236	12	X			D.O.I. BASE on 154.905	Z12	
32	ELGIN	KSB233	2	X			D.O.I. BASE	Z2	
33	ELWOOD	KXT894	5			X			
34	FAIRFIELD	KYW824	19			X			
35	FT. MADISON	WXR313	14			X			
36	FRANKFORT	KSU419	5		10E				
37	FRANKFORT	KSU420	5		10W				
38									
39									
40									

IL. DEPT. OF LAW ENFORCEMENT — TRANSMITTER SITES

	LOCATION	CALL SIGN(S)	ISP DIST.	ISP HQ	WEIGH SCALE	REMOTE TRANS.	OTHER USES		COMMENTS
1	GALENA	KZ2647	16			X			42MHZ ONLY
2	GODFREY	KSB996	11		X				
3	GURNEE	KUN858	2			X			
4	HARVARD	KSB985	2		2				
5	HEROD	KSB234	13			X			"ELDORADO TOWER"
	HILLSIDE	KVH325/KKK459					S.O.S. INVESTIGATORS	"J1"	"CHICAGO"
	JACKSONVILLE	KXV446	9			X			
6	JOLIET	KSB230	5	X			D.O.I. BASE on 154.905	25	
7	JOLIET	KXH733					D.O.I. BASE on 154.905	25	"MARYCREST"
	JOLIET	KSH856							NO LONGER USED
11	KINGSTON	KXV447	14A			X			
12	LEXINGTON	KLL671							
13	LEROY	KXM277	6			X			
14	LITCHFIELD	KSB995	18			X			
15	LITCHFIELD	KSG897	18	X			D.O.I. BASE on 154.905	218	
16	LITCHFIELD	WYR782	18	X			D.O.I. BASE on 154.905	218	
17	MACOMB	KSA775	14	X			D.O.I. BASE on 154.905	214	
18	MACOUPIN STA.	KYW825	18			X			
19	MANITO	KBI332	14			X			42MHZ ONLY
20	MARION	KSQ349	13		14S				
21	MARION	KSQ350	13		14N				
22	MARSHALL	KSB997	12		21				
23	MASON	KZE651	12			X			
24	MASON CITY	KXM411	9			X			
25	MECHANICSBURG	KXC661				X			"COMMAND CENTER"
26	METAMORA	KSB228	8	X			D.O.I. BASE on 154.905	28	"PEORIA"
27	METROPOLIS	KSC457	13A		X				
28	MOLINE	KFK559	7		12E				
29	MOLINE	KFM432	7		12W				
30	MT. VERNON	KZQ610					S.O.S. INVESTIGATORS	"J4"	
31	O' FALLON	WYC682	11		3S				
32	OAK BROOK	KRM754/KB2963	15	X					
33	PECATONICA	KSF947	16	X			D.O.I. BASE on 154.905	216	"ROCKFORD"
34	PEORIA	KWK444					D.O.I. BASE		
35	PEOTONE	KSU421	5		13S				
36	PEOTONE	KSU422	5		13N				
37	PERU	KEO371	17				D.O.I. BASE	217	LICENSED FOR 154.905
38	PECATONICA	WQN903	16	X					155.520 only
39									
40									

IL. DEPT. OF LAW ENFORCEMENT-TRANSMITTER SITES

	LOCATION	CALL SIGN(S)	ISP DIST.	ISP HQ	WEIGH SCALE	REMOTE TRANS.	OTHER USES		COMMENTS
1	PESOTUM	KSA464	10	X			D.O.I. BASE on 154.905	210	
2	PITTSFIELD	KGY335	14A	X			D.O.I. BASE on 154.905	214	
3	PLATO TWP.	KBA234	2			X			
4	PONTIAC	KSA776	6	X			D.O.I. BASE on 154.905	21	
5	RAPIDS CITY	KSW526	7		7W				
6	RAPIDS CITY	KSW527	7		7E				
7	RICHMOND	KSC459	2		5				
8	ROCK ISLAND	KSB229	7	X			D.O.I. BASE on 154.905	27	
9	ROCHELLE	KZQ897					S.O.S. INVESTIGATORS	"J2"	RELAYS HILLSIDE
10	ROSECRANS	KSB987	2		IN				
11	SANDOVAL	KSB993	12		X				
12	SAVANNA	KXM403	1			X			
13	SCHILLER PARK	KFY405	3		X				
14	SHEFFIELD	KTD603	7			X			
15	SHELDON	KSB991	6A		17				
16	SPRINGFIELD	KSA213	9	X			D.O.I. BASE on 154.905	29	
17	SPRINGFIELD	KSA362							NO LONGER USED
18	SPRINGFIELD	KSB237					TEMPORARY BASE-STATEWIDE		
19	SPRINGFIELD	KSB238					TEMPORARY BASE-STATEWIDE		
20	SPRINGFIELD	KSC334					COMMAND CENTER		
21	SPRINGFIELD	KTC875					D.O.I. BASE		
22	SPRINGFIELD	KSD549					GOVERNORS MANSION		ID's as "EDWARD-99"
23	SPRINGFIELD	KZZ941					S.O.S. INVESTIGATORS	"J3"	
24	STERLING	KSA774	1	X			D.O.I. BASE on 154.905	21	
25	STOCKTON	KXM412	16			X			
26	URBANA	KJN864	10						
27	VANDALIA	KGJ754	12		X				
28	VIENNA	KUA774							NO LONGER USED
29	VILLA PARK	KSB989	2		3				
30	WADSWORTH	KSB984	2		1S				
31	WARE	KSB913	13A		X				
32	WESTCHESTER	KUM502							
33	WILLIAMSVILLE	KDG518	9		X				
34	WOOD RIVER	WRA547					SOUTHWESTERN ENFORCEMENT GROUP		
35									
36									
37									
38									
39									
40									

INDIANA LAW ENFORCEMENT "SIGNALS" I've received these from several different sources throughout IN over a period of going on two years. I did not print them on the premise that they were of a confidential nature-mainly the Indiana State Police use. However, the common knowledge by so many different IN members makes it appropriate that this data be shared by all. (I'm not going to apply credit to any particular member).

1. Call your Dist.
2. Call General HQ.
3. Call State Police Radio
4. Report to General HQ
5. Report to your Dist.
6. Call - telephone
7. Emergency - serious situation (extreme emergency)
8. Meet
9. Disregard
10. Rush-quick action desired
11. Information confidential
12. Reply via other than radio
13. Army convoy
14. Plain clothes detail
15. Unable broadcast details, security
16. Aircraft Accident
17. Grant emergency right of way privileges to vehicles (followed by routes of travel, license, etc.)
18. Pistol practice
19. Truck check
20. Car wash
21. Car service
22. Car repair
23. Speeding car
24. Vehicle and occupants detained
25. Regular Dist. meeting
26. Bringing subject(s) to court, notify
27. Stopping car (advise Radio Desc.)
28. Bank detail
29. Dist. meeting, all leaves cancelled
30. Special patrol assignment
31. Traffic congestion
32. Check all records (MCF, Records & wanted) on: (Full name, address DOB, Soc. Sec. #, and description)
33. Known burglar
34. Possible mental
35. Regular Dist. inspection
36. What is the working schedule of: (followed by car #)
37. Advise if there is anything for me
38. There is nothing for you
39. Dist. inspection, all leaves cancelled
40. Records indicate subject is wanted
41. Is lie detector available: (follow by # of subjects, date & time)
42. Is drunkometer available
43. Have in possession:
    J1 Personnel J2 Property
    J3 Prisoner J4 Documents
44. Advise traffic conditions
45. Give your FCC assigned call
46. In pursuit (give det ails)
47. Escort (give details)
48. Visitors or officials present
49. _____ platoon(s) location standby alert
50. Activate riot control platoons
55. Activity Report
60. Narcotics/dangerous drugs involved
66. The requested info is not now available
80. Not in file
100. Emergency: (hold all but emergency traffic)

There's no better way to follow up "IN signal" contributions but with a thorough discussion of the new **IN STATE POLICE "FOUR FREQUENCY PLAN"** - courtesy of Jim (IN-034): This plan, designed to fully utilize the low band channels, was implemented on March 1st, 1981.

Mobiles	Channels allocated as follows:			
Receive	42.42	42.26	42.12	42.16
Transmit	42.26	42.40	42.12	42.16
	F1	F2	F3	F4

F1 receive - Primary channel for receiving base to mobile traffic
F1 transmit - Primary channel for transmitting mobile to base traffic. All mobile units will routinely be operated with F1 selected as priority for transmit and receive, regardless whether the

operation is for mobile to base, or portable to mobile to base utilizing the mobile rptr.
When changing to another channel of operation, the priority select for transmit and receive should both be set to the new freq. Always switch back to the primary settings of F1 transmit and receive when transactions are completed on other channels.
Mobiles should use the F1 channel when operating in dead spot areas in order to access microwave rptr. site rcvrs. that are operational on that freq. only.

F2 receive - Provides mobile units with the capability of monit oring the base station.

F2 transmit - NOT TO BE USED UNTIL AUTHORIZED BY GHQ (Will provide a back-up mobile-to-base freq. that may be used if the primary F1 and the TAC-4 freqs. are congested or not available).

F3 receive/transmit - Is dedicated to mobile-to-mobile (3-way) communication only. All mobile-to-mobile communications will use the F3 channel except for special assignments and details where the channel selection will be made by command personnel.

F4 receive/transmit - Is designated as a tactical freq. and will be referred to as "TAC-4". It is to be utilized for Signal 100 situations and other special details to include, but not necessarily limited to;

Bank Robberies	Hostage Incidents
Aircraft Accidents	Speed Timing Details
Scuba Details	500 Mile Race
EOD Details	State Fair
Riots or Civil Disorders	National Drag Races
Manhunts	

Mobile units unable to establish contact with the base station on F1 due to traffic congestion may transmit their traffic on the TAC-4 channel.

Scan (Search) - The scan is to be on at all times during the routine operation of the mobile eqpt. NOTE: If the scan is turned off in a mobile while the officer is out of the car on portable, any other officer wishing to contact him must use the same channel as that being used by the mobile communicating with a portable.

"Outages" - On routine matters when a unit's 42MHZ transmitter is completely out of service, traffic is to be transmitted on the 155.445 working freq.

Aircraft - Radios installed in aircraft are basically the same as mobile units except they do not have scan capability, and some aircraft have only F1 and F4. Having only F1 and F4 limits those aircraft to transmitting on 42.26 and receiving on 42.42, as well as transmitting and receiving on TAC-4, 42.16 freqs.

Base - Base stations will have channel allocations as follows:

	F1	F2	F3	F4	Additional
Receive	42.12	42.16	42.26	42.42	42.40
Transmit	42.12	42.16	42.40	42.42	

Base stations will continuously monitor 42.26, 42.16, 42.40, and 42.42 in addition to high band freqs. in order to avoid missing a call by a mobile unit and to avoid interfering with another base station's traffic with its cars.
Base stations are not to transmit on 42.12

Jim - thanks are in order for a most enlightening contribution and an "operating primer" about the IN State Police low-band radio operation.

WASHINGTON CO., IN FREQS. Donald (IN-034) sends in the following info: The regular IN statewide law enforcement freqs. (155.130 and 154.890) are in use. Salem, IN F.D. can be found on 154.250 (KBQ782). The Franklin Twp. F.D. can be found on 154.190 (KYK360) and is dispatched from the Washington County S.D. Two "emergency services" can be found on 154.515: Washington County EMS (KKY673) and Wilcox Garage wreckers (KKX203). The standard 10-codes are in use with two exceptions: 10-0 "Cadavor" and 10-91 "Unnecessary Use of Radio".
Welcome aboard to the growing list of contributors - I hope to hear more from the south central part of IN.

WISCONSIN STATE EMERGENCY GOVT. PAGING is presently found on the WISPERN freq. of 155.475. Top state emergency govt. officials carry pagers so that they may be alerted to any emergency that might happen. Paging is done by the State Patrol. Codes used are:

CODE 1 Enemy attack
CODE 2 Natural disaster
- a) Tornado
- b) Flood
- c) Blizzard
- d) Drought
- e) Severe Weather

CODE 3 Accidents
- a) Radiological
- b) Chemical
- c) Surface Transport
- d) Aircraft
- e) Explosion

CODE 4 Fires
- a) Forest
- b) Vegitation
- c) Industrial
- d) Institutional

CODE 5 Pollution
- a) Oil Spill
- b) Chemical Spill
- c) Air Pollution

CODE 6 Utility Failure
- a) Black Out
- b) Brown Out
- c) Water
- d) Sewage
- e) Natural Gas
- f) Coal
- g) Fuel Oil

CODE 7 Health Emergency
- a) Epidemic
- b) Animal Disease

CODE 8 Mass Population Event
- a) Demonstration
- b) Riot
- c) Strike
- d) Institutional Disturbance
- 3) Rockfest

CODE 9 Bomb Threat or Bombing

This contribution comes courtesy of George (WI-004), Tom (WI-006) and Bob (WI-026). Editor's note: The state of WI has come under fire from APCO (Associated Public Safety Communications Officer) for the paging on the NLEEF (National Law Enforcement Emergency Freq). I wouldn't be surprised to see this function moved to another freq. in the near future.

NEW MILWAUKEE, WI P.D. FREQ. Tom (WI-006) advises that 460.200 simplex has been placed into service. The initial use was for the "Summerfest" with very low power in use.

This month's column comes to a close with

Happy Monitoring!

PUBLIC SAFETY - EAST

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Connecticut, Delaware, District of Columbia, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, and West Virginia to : Richard Barnett, P.O. Box 428. Newton Highlands, MA 02161.

FLORIDA -from Joe (MD-015):

Here is some stuff I got from the Pinellas County Communications & Clearwater Police:

155.800	KIR823 Repeater	-Pinellas County Schools (ed.-error somewhere with freq.)
158.760		-Pinellas County Parks
151.115		-Pinellas County Highways
452.625	Mobile Relay	-Central Pinellas Transit -transmit
457.625	" "	-Central Pinellas Transit -receive
153.740		-Pinellas County Mosquito Control
39.500		-Pinellas County Sewer Department
453.150		-Pinellas County Attorney
460.275		-Clearwater Police Channel #1 -Dispatch
460.425		-Clearwater Police Channel #2 -Information
460.475		-Clearwater Police Channel #3 -Detectives
460.600		-Clearwater Fire
154.400		-Clearwater Fire (for all units not yet on UHF)
453.425		-Municipal Services
155.295		-C & R Ambulance

Pinellas County Sheriff:

Channel #1	154.775	South Dispatch	Channel #4	154.950	Car-to-Car
Channel #2	155.640	Special	Channel #5	155.850	Computers
Channel #3	154.710	North Dispatch		154.815	Detectives

(Clearwater is on sheriff channel #1. Channel #3 is north of Dunedin.)

Clearwater, Florida Police Signals & Codes:

Dispatch Signals

0 - Armed and/or Caution	25 - Fire	49 - Injury
1 - Drunk Driver	26 - Drowning	50 - Rape
2 - Drunk Pedestrian	27 - Prowler/ Peeping Tom	51 - Assist Motorist
3 - Hit & Run	29 - Reckless operation of Motor Boat	52 - Juvenile Trouble
4 - Accident		53 - Bomb Threat/ Report
5 - Murder	28 - Riot	54 - Fraud
6 - Escaped Prisoner	30 - Burglar Alarm	55 - Civil Matter
7 - Dead Person	31 - Vandalism	56 - Transport
8 - Missing Person	32 - Animal Complaint	57 - Livestock
9 - Stolen Tag	33 - Theft	58 - Junk Complaint
10 - Stolen Car	34 - Family Trouble	59 - Gas Pumps
11 - Abandoned Car	35 - Anonymous Phone Call	60 - Narcotics Violation
12 - Reckless Driver	36 - Call for Officer	61 - Noise Nuisance
13 - Suspicious Car	37 - Hunters	62 - Property Case
14 - Information	38 - Assault	63 - Arson
15 - Special Detail	39 - Neighbor Trouble	64 - Coffee Break
16 - Obstruction on Highway	40 - Call for Ambulance	65 - Eating
17 - Contact	41 - Assist other Agency	66 - Training
18 - Felony	42 - Open Door/ Window	67 - Comp Time
19 - Misdemeanor	43 - Solicitor/ Panhandler	68 - Convoy or Escort
20 - Mentally Ill Person	44 - Trouble at Police Sta.	69 - Court
21 - Breaking & Entering	45 - Illegally Parked Car	70 - Stopping Vehicle
22 - Disturbance	46 - Suicide	71 - Traffic Control
23 - Pedestrian/ Hitchiker	47 - Indecent Exposure	
24 - Holdup	48 - Trespasser	

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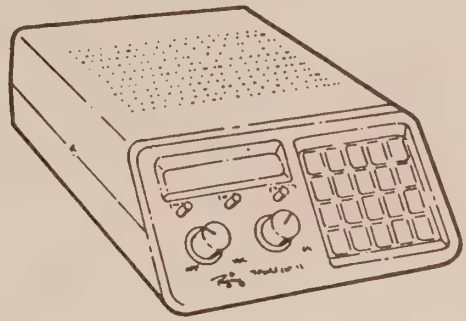

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Ten Codes

CODE 1 Routine Response
CODE 2 Emergency Response

10-01 Receiving Poorly
10-02 Receiving Well
10-03 Stop Transmitting
10-04 Acknowledgement
10-05 Relay to____
10-06 Busy
10-07 Out of Service
10-08 In Service
10-09 Repeat, Conditions Bad
10-10
10-11 Dispatching too Rapidly
10-12 Officials/ Visitors Present
10-13 Weather/ Road Conditions
10-14
10-15 Prisoner in Custody
10-16 Pick-up Prisoner at____
10-17 Conduct Investigation
10-18 Complete Assignment Quickly
10-19 Return to Station
10-20 Your Location?
10-21 Call Station by Phone
10-22 Disregard
10-23 Standby
10-24 Officer in Trouble -Send Help
10-25 In Contact with
10-26 Message Received
10-27 Any Answer our Number?
10-28 Check Registration
10-29 Stolen and/or Wanted
10-30 Against Rules & Regulations
10-31
10-32 Breath Testing Available?
10-33 Emergency Traffic
10-34
10-35 Confidential Information
10-36 Correct Time
10-37 Operator on Duty
10-38 Block Roads at____
10-39 Message Delivered
10-40 Request for Wagon
10-41 In Possession of
10-42 Out of Service -at home
10-43 Any Traffic for____
10-44 Report in Person to____
10-45 Call this Number by Phone
10-46 Urgent
10-47 Pick-up Papers/ Reports
10-48 End of Message - Received?
10-49 Contact Sheriff's Office
10-50
10-51 Enroute
10-52 Estimate Time of Arrival
10-53 Coming by Office
10-54 Negative
10-55 Clear, Car-to-Car
10-56 Meet____at____
10-57 Remain in Service
10-58 Animal -Traffic/ Health Hazard
10-59
10-60 Hot Wire Down
10-61
10-62
10-63 Net is Directed
10-64 Net is Clear
10-65 Clear for Message -Standby to Copy
10-66 Cancel
10-67 Bomb Threat
10-68
10-69
10-70 Send Wrecker
10-71 Send Ambulance
10-72 NCIC/ FCIC "Hit"
10-73
10-74
10-75 Switch to other Channel
10-76
10-77
10-78
10-79 Explain
10-80
10-81 No Back-up Available
10-82 No Back-up Required
10-83 Back-up Needed
10-84
10-85
10-86
10-87
10-88 At What Phone Can____Be Reached?
10-89
10-90
10-91
10-92
10-93
10-94
10-95
10-96
10-97 Arrived at Scene
10-98 Completed Last Assignment
10-99 Unable to Receive Your Signal
10-100 Alert-Remain in Contact with Station by Telephone

NEW YORK -from Bob (NY-144):

Enclosed are several codes for the newsletter that I hope you can use. All are for New York state and here are a few notes about each. The ten codes marked Mamaroneck are used by the village and town of Mamaroneck (two separate municipalities) and the village of Larchmont. All three operate on the frequency of 155.250MHz.

The Suffolk County Police codes have, at the bottom, a few additions which were made after copying. The signal codes for the Westchester Department of Public Safety have, after the location number and designation, parenthesis which gave the map location of the designation (used on a Hagstrom map of lower Westchester). The frequency format for the above is as follows:

F1 - 155.550 (Formerly known as Parkway Police)
F2 - 155.370 Intersystem Coordination Channel
F3 - 155.310 (Formerly known as the Sheriff)

Mamaroneck - Radio & Incident Code Signals:

INSTRUCTION:

10-01 Report to Headquarters
10-02 Call Headquarters by Phone or Box
10-03 Location Check
10-04 Message Acknowledged
10-05 Assist Officer on Detail
10-06 Transmit on Scramble
10-07 Clear Scramble
10-08 Transmit Channel "B" (walkie-t.)
10-09 Clear Channel "B" (walkie-talkie)

POSSIBLE CRIMES:

10-10 Burglar Alarm Sounding
10-11 Suspicious Person (prowler)
10-12 Bank Holdup Alarm
10-13 Officer in Trouble (assist)
10-14 Trouble at HQ, Help Needed
10-15 D.W.I.
10-16 Open Door or Window
10-17 Plate Check & File #1 Check

CRIMES IN PAST:

10-20 Report of Larceny
10-21 Report of Assault
10-22 Report of Burglary
10-23 Criminal Mischief -Vandalism
10-24 Report of Stolen Auto

CRIMES IN PROGRESS:

10-30 Robbery
10-31 Burglary
10-32 Assault
10-33 Larceny
10-34 Criminal Mischief -Vandalism
10-35 Stolen Auto
10-36 Fight
10-37 Person with a Gun
10-38 Person with a Knife
10-39 Report of Explosive

NON-CRIME INCIDENTS:

10-40 Alarm of Fire
10-41 Out of Service (location)
10-42 Aided Case
10-43 Auto Accident
10-44 Disturbance (disorderly Person)
10-45 Escort -Money/Payroll/Convoy/Fnrl.
10-46 Dog Complaint -Dog Bite
10-47 Family Dispute
10-48 Report of D.O.A.
10-49 Traffic of Illegally Parked
10-50 Intoxicated Person
10-51 Civil Dispute
10-52 Coffee, Lunch or Dinner
10-53 Time Check
10-54 Tow Truck Requested
10-55 Ambulance Requested
10-56 Doctor Requested
10-57 Have in Possession/ or in Custody
10-58 See Complainant (specify)
10-59 Arrived at Scene

FINAL DISPOSITIONS:

10-60 Unfounded
10-61 Condition Corrected
10-62 False Alarm
10-63 Referred to Court
10-64 Gone on Arrival
10-65 Resuming Patrol/ Available

CODES:

1 Respond Immediately
2 Report of Injury
3 Request Oxygen
4 Respond Silently
5 Respond at Convenience

LOCATIONS:

1 Cook's Restaurant
2 Hampton's
3 Kentucky Fried Chicken
4 Codata
5 County Volkswagen
6 Hory Chevrolet
7 Bonnie Briar
8 Winged Foot
9 Gold Lake
10 Pancake House
11 Larchmont Diner
12 Dunkin Donuts
13 Court House
14 Town Office
15 Barclay's Bank
16 Finast
17 Loyal Inn
18 Daitch Shopwell
19 Hommocks Ice Rink
20 Dollar Savings Bank

WESTCHESTER COUNTY DEPARTMENT OF PUBLIC SAFETY- SIGNAL CODE AND POST IDENTIFICATIONS

1	On Air
2	Off Air
2A	Meal Period
3	Location
4	Auto Accident
5	Assistance needed
6	Ambulance needed
7	Photographer needed
8	Wrecker needed
9	Road Service
10	EMERGENCY - STAND-BY
11	Telephone HQ
12	Report to HQ
13	Report to _____.
14	Warrent Check
15	Stolen Auto
15A	Lost or Stolen Plates
16	Check Plate or Registration
17	Hit and Run
18	Money Guard
19	School Crossing
20	Trafffc Report
21	Escort
22	Grant courtesy of road
23	Check Traffic Violation
24	DWI
25	Airplane Accident
26	Riot
27	Robbery
27A	Armed, use caution
28	Person Wanted or Escaped
29	Missing Person
30	Abandoned Vehicle
31	Complaint
32	Fire
33	Aided Case
34	Animal Case
35	Radio Test
36	Explosive- Bomb threat/Bombing
37	Airplane Hijacking or possible
38	
39	Radio Test
40	
R	Repeat Message

21	Dunwoodie Golf Course
22	Sprain Golf Course
23	Macy Park (
24	Ridge Road
25	Grasslands Hospital
26	Kingslands Point Park
27	Croton Point Park (Harmon-
28	George's Island ( )
29	Blue Mountain (Peekskill)
30	Mohansic State Park (Yorktown)
31	Glen Island
32	Wilson Woods
33	Saxonwoods Golf Course
34	Saxonwoods Picnic Area
35	Playland Park
36	Maplemoor Golf Course
37	Saxonwoods Pool
38	
39	Wesychester County Airport
40	
41	Pound Ridge
42	Court House ( )
43	Westchester Community College
44	
45	Sprain Ridge Pool
46	Mountain Lakes (Pawling)
47	
48	University Site (
49	Kensico Plaza
50	Croton Dam (

NEW YORK STATE FILE CODES:

#1	Stolen Vehicle
#2	Auto Used in Commission of Crime
#3	
#4	WANTED: Hit & Run
#5	Wanted or Escaped Person
#6	Missing Person
#7	WANTED: Burglary
#8	WANTED: Robbery
#9	Property Lost or Stolen
#10	Stolen Property
#11	WANTED: Assault
#12	WANTED: Homicide
#16	Lost/ Stolen Registration/ Plates

SUFFOLK COUNTY POLICE

10-1	Assist officer
10-2	Larceny
10-3	Burgulary
10-4	OK-Acknowledge
10-5	Homicide
10-6	Kidnapping
10-7	Criminal mischief
10-8	Sick or injured
10-9	Inhalator
10-10	Auto Accident
10-11	Call HQ
10-12	Report to command

SUFFOLK COUNTY FIRE SIGNALS

1	Disaster/Severe emergency
2	Proceeding to alarm
3	Additional help needed for own dep
4	All under control
5	Return to base
6	Leaving unit unattended
7	Returned to unit
8	Refreshments
9	Standing by
10	Call police

10-13 Call or phone
10-14 Stolen car
10-15 Robbery
10-16 Fight
10-17 Family disturbance
10-18 Out of service
10-19 Gone on arrival
10-20 Drunk driver
10-21 Hit and run
10-22 Unruly group
10-23 Request detective
10-24 Fire
10-25 Prowler
10-26 Escort
10-27 In service
10-28 Out of service
10-29 Verification of registration
10-30 Missing person
10-31 Lost child
10-32 Transportation of prisoner
10-33 Switch to F2 channel
10-34 Suspicious person/auto
10-35 Location
10-36 Arrived at scene
10-37
10-38 Complete last assignment
10-39 Any messages for this unit
10-40
10-50 Now at scene
10-43 Meet officer at_____
10-45 Warrant check
10-45A Listing requested
10-51 Registration check
10-65 Radio check

11 Call utility (specify)
12 Brush fire
13 Structural fire
14 Vehicle fire
15 Drill- practice session
16 Ambulance call
17 Break down. Can not proceed
18 Proceeding to hospital
19 Radio-pager test
20 Switch to F2
21 At the scene
22 Location
23 Miscellaneous alarm
24 Mutual aid - specify
25 Dismiss men
26 Boat fire
27 Plane crash
28 Ready for service(specify)
29 Turn on traffic light
30 Call for chief
31 Call for 1st assistant chief
32 Call for 2nd assistant chief
33 Call for 3rd assistant chief
34 Telephone HQ

PUBLIC SAFETY - CALIFORNIA

Send Public Safety and Special Emergency frequencies, radio system details, and questions for California to: Eric Christensen (CA–LA–045), 3146 W. Ball Road, Apt. 35, Anaheim, CA 92804.

From ERIC (CA-LA-045):

WELCOME TO THE OCTOBER 1981 ISSUE OF R.C.M.A. PUBLIC SAFETY-CALIFORNIA!

Due to personal illness during the middle of July 1981, the August and September 1981 R.C.M.A. Newsletters were a bit different than planned. Originally, the August issue was include some articles, all of which appeared. Also, the September issue was to have been what this issue contains, ie: Traveling through California and California Dept. of Forestry radio system. In my absence, the President of the R.C.M.A. filled in for me. The September issue included some "R.D." maps of the Los Angeles Police Department. The August newsletter contained, in addition to what I had sent in, a complete listing of station licenses for all cities, counties and state agencies that are licensed to operate on 154.920 MHz (CLEMARS-California Law Enforcement Mutual Aid Radio System). This listing, which was retyped from information already compiled and printed in Police Call 1981 Volume 9, by Gene Hughes. Unfortunately, I had not completely finished retyping it, as I had omitted to indicate what the listing was of, ie: CLEMARS licensees. Oh well, now you know!

I'm all better now; so.....

LET'S SEE HOW IT WAS.....

TOURING CALIFORNIA

with a PROGRAMMABLE SCANNER

of course!!

by ERIC (CA-LA-045)

During June of this year, I was able to take a vacation (yes, dispatchers even get a vacation, once in a while - few and far between, though!!) and get away from it all. On my trip throughout the BEAUTIFUL State of California, I managed to copy a great deal of bizarre radio traffic on my Bearcat 250 and my Regency ACT-R-106; plus my Amateur Radio equipment on 2 meters (144-148 MHz) and 6 meters (52 MHz).

I began my trip by leaving Anaheim via SR-91 east to I-15 north. I travelled I-15 north bound to N/B US 395 up through San Bernardino, Kern and Inyo counties. There's not an over abundance of radio traffic in this area, due to it being mainly desert. From here I drove up into the exciting city of Bishop, California where I had the opportunity to tour the Bishop dispatch office for the California Highway Patrol. Also, while I was in Bridgeport, I was able to tour the former Mono County Jail, next door to the Mono County Sheriff Station. What a place, stone walls and only one window for three maximum security cells-wild!

After spending the night at Mammouth Mountain (riding the gondolas to the top and checking out the perfect places for a 2 meter repeater for amateur radio) I drove towards Tioga Pass road (SR-120) into Yosemite National Park. I did not spend too much time listening to my scanner here, because I was too preoccupied with the beauty of the area. I did bump (literally) into my cousins here, and managed to tag along on a side trip to Glacier Peak in Yosemite Park. Watch out for the park rangers up there, they use "SPEED GUNS" How do I know? Well, just say that we got "fanged"! C'est la vie!

After 2 days and nights here, with my motel room bordering on the Merced River, I travelled N/B on SR-49 from Mariposa through "Gold Country" in the "Mother Lode Country". Along this road one passes through the old gold rush territory. One of the craziest towns up here is Angels Camp in Calaveras County where the big occassion of the year is (are you ready for this?!) the ANNUAL FROG JUMPING CONTEST!! Many stores, sidewalks and street intersections are painted with big green frogs! Wild!

All the way to Jackson, California where I stay overnight (Friday night, of all nights!) What is there to do in Jackson on a Friday night one might ask, well- you can eat at "Mel's" (conveniently located accross the street from the Jackson Fire Station. (3 garages for 4 engines, one has to sit out in the rain!) Afterwards, you could go to the new Jackson 4-plex theatre (which just opened two days before I got there). I myself chose to be different. I found myself wondering around town and stumbled upon the Jackson Police Dept. The sign on the door stated: CLOSED, to contact an officer call: --- -----. 24 hrs. Outrageous! Well, next I found myself at the door of KNGT FM radio station and managed to get a quick tour of the station and studio. To top this all off, I parked my vehicle on top of a tall hill and monitored scanner activity from Sacramento, San Jose and Stockton.

The next day I set out for South Lake Tahoe. Here I had the unique opportunity to tour the Placer County Sheriff-Coroner Dept. disaster communications van. What a set up-Motorola radios and speakers everywhere! This van is equipped to operate on Placer County Sheriff, Nevada Sheriff, and Sierra County Sheriff Departments' frequencies; plus local fire, CLEMARS (154.92 MHz), Search and Rescue (155.16 MHz) and the California Highway Patrol's Grey and Blue channels. Amateur radio capabilites included 2 meter VHF, 220 MHz and 6 meter VHF low band. The van even has an aircraft (2 way) radio and last (but not least), a Regency M-100 scanner! An incredible set up.

Monday morning I set out for Sacramento and was able to tour the police communications center for the University Police at California State University, Sacramento and also University of California at Davis campus police. I was extremely honored to be allowed to tour the facilites of both Depts., plus

I was impressed with both agencies. U.C. Davis even has their own FIRE DEPT! After two days in Sacramento, I travelled S/B along the Sacramento River delta towards the San Francisco Bay area. Here I was a "true tourist". I went on the San Francisco Bay harbor cruise, rode the street cars, BART and really lived it up! This has got to be one crazy town to listen to a scanner in. (P.S. my room cost me $11.00 a night-at the San Francisco State University dormitory!)

My final two days found me driving south bound on the most beautiful of all highways, SR-1 Pacific Coast Highway. Who can top Monterey, Carmel, Big Sur and all of the beaches? Nobody!

When I got to Santa Barbara, I began to receive the Los Angeles dispatch center for the California Highway Patrol. I knew then that my vacation was almost over, because I was nearly home.

My recommendation to anyone taking a trip with their scanner is to make sure that you have the correct copy(ies) of Police Call; and appropriate back issues of the R.C.M.A. Newsletter. I found these to be of great assistance on my trip.

One additional recommendation: When you are out driving around in a foreign town, stop by at the local scanner store or Radio Shack store and ask for a list of local frequencies. I was successful at this and got quite an assortment of frequencies for Lake Tahoe, San Francisco and the greater Santa Barbara/San Luis Obispo areas. It's well worth the effort. Good luck & enjoy the frequencies.

FREQUENCIES TO MONITOR

I. N/B US 395 from San Bernardino area towards Bishop

42.54 B/42.24 M	CHP San Bernardino # 75		GREEN
42.56 B/42.72 M	CHP Barstow # 73; Mojave # 59; Victorville # 12		WHITE
42.34 B/42.18 M	CHP Bishop # 72; Bridgeport # 71		BLUE

CHP Resident Post Locations

Ridgecrest	WHITE	Mojave station
Lone Pine	BLUE	Bishop station
Mammouth	BLUE	Bridgeport station
Lee Vining @ SR-120 Mono Lake	BLUE	Bridgeport station

154.74 BM		San Bernardino Sheriff-Victorville # 7 (KMB899)		Freq 4
155.97 BM		" " " Barstow # 8 (KMA794/KMH621)		Freq 1
155.91 B		" " Intersystem		
151.445	R	CDF San Bernardino		
154.070		Desert Fire Protection Districts		
156.060		County Roads-San Bernardino County		
453.400	R	Kern County Sheriff-Mojave Dispatch (BROWN)	(KWE370)	Freq 3
154.725	R	Inyo County Sheriff-Bishop office	(KVZ670)	FREQ 1
155.415		Inyo County Sheriff-Independence office	(WAC384)	
154.800		Mono County Sheriff-Bishop office	(KWO591)	
155.700		Mono County Sheriff-Bridgeport office	(WAF549)	
		" " " Mammouth Lakes office	(WAF550)	
453.000/458.000		" " " Bishop/Mammouth	(KKT71/77)	
154.430	BM	" " Fire (Mono Lake FPD)	(KKG606)	
168.775	R	Sequoia National Forest		
164.750	R	Sequoia National Park		
168.125	R	Inyo National Forest		
164.750	R	Kings Canyon National Park	(Freq 2: 171.750 R)	
169.875	R	Toiabe National Forest		
172.650	R	Yosemite National Park	(Freq 2: 171.800 R)	
168.750	R	Stanilaus National Forest	(UHF Link: 415.375) (BC250: 437.075	

P.S.: Don't forget the business band & special emergency frequencies for the Mammouth Mountain ski area! (Ski patrol, business, etc.)

II. W/B SR 120 from Mono Lake thru Yosemite to SR 49 and N/B SR 49 to Placerville then E/B US 50 towards South Lake Tahoe

42.88 B/42.66 M	CHP Mariposa # 63;	ORANGE
42.56 B/42.72 M	CHP Sonora # 61; San Andreas # 49; Jackson # 94	WHITE
42.54 B/42.24 M	CHP Placerville # 44	GREEN
42.48 B/42.68 M	CHP Lake Valley # 13 @ Meyers; Truckee # 80	GREY

42.94 BM	NHP mutual aid/tactical with CHP Truckee	

45.54 B/46.02 M	Tuolumne County Sheriff-Sonora Station	(KMH454)	
45.32 R/45.70 M	Calaveras County Sheriff-Angels Camp	(KVJ961)	Also: 45.54 MHz
45.32 R/45.70 M	" " " -San Andreas	(KZK225)	
45.60 R/	Amador County Sheriff-Jackson Station	(KVM209)	Also: 45.54 MHz
45.74 /45.90 C	" " " " "		
45.50 R/45.90 C	El Dorado County Sheriff-Placerville	(KRG863)	Also: 37.22 MHz
45.50 R/	" " " " -So. Lake Tahoe	(KMD695)	Also: 37.42 MHz
39.68 R/	Placer County Sheriff-Tahoe City	(KYG734)	(KCZ844) 45.18
45.38 45.26	" " " " "		Also: 155.670
39.76 45.18	Nevada County Sheriff-Truckee 45.38	(KYG738)	Also: 45.26/45.34

151.46R/159.39	CDF Mariposa-Madera-Merced	Air Nets:	151.31 (YELLOW)
151.19R/159.225	CDF El Dorado-Amador		151.28 (BLUE)
151.175R/159.45	CDF Calaveras-Tuolumne		" "
151.265R/159.33	CDF Region Net		
151.250R/159.405	CDF Nevada-Yuba-Placer		"
151.325R/159.360	CDF Region Net		
151.355R/159.300	CDF Statewide Net	Hand Held	151.22 (RED)

Don't forget about business band frequencies for hotel and casinos in Reno, South Lake Tahoe and even Las Vegas! Lots of bizarre activity. Take your Police Call Volume # 8 for Nevada.

III. W/B I-S 80 from Truckee to SR-20 thru Grass Valley and Yuba City towards Clear Lake. Return E/B SR-20 to SR-16 and S/B SR-16 thru Woodland to Sacramento.

42.48 B/42.68 M	CHP Truckee # 80	GREY
42.54 B/42.24 M	CHP Grass Valley # 42	GREEN
42.50 B/42.82 M	CHP Yuba/Sutter # 43; CHP Academy at Bryte	BROWN
42.44 B/42.28 M	CHP Williams # 39	RED
42.56 B/42.72 M	CHP Lakeport # 7	WHITE
42.46 B/42.70 M	CHP Woodland # 47; South Sacramento # 112	BLACK
42.12 B/42.20 M	CHP North Sacramento # 46	GOLD

39.76	Nevada County Sheriff		(KYG738)	Also: 45.18, 45.38 45.26, 45.34
460.175	Yuba County Sheriff		(KQR423)	Also: 460.100 460.225
460.175	Sutter County Sheriff		(KMB313)	Also: 460.100
158.91	" " "		(KYQ455)	460.225
159.09	Colusa County Sheriff	KGJ958	(KZR677)	Also: 154.95 KMK858
155.07	Lake County Sheriff		(KSV811)	
155.97	" " "		(KSU495)	
155.85	Yolo County Sheriff		(KMA871)	Also: 155.535
159.09	" " "		(KME340)	
453.575 (CH3 SOUTH)	Sacramento County Sheriff		(KGK536)	Also: 453.475 (CH5)
453.250 (CH2 TAC)	" " "		(KMJ500)	453.900
453.950 (CH6 AIRPORT)	" " "		(KJU263)	453.850

151.250/159.405	CDF Nevada-Yuba-Placer	Region:	151.325 R
151.340/159.315	CDF Lake-Colusa		151.385 R
151.355/159.300	CDF Statewide Net	RED:	151.220 S
151.310 S	CDF Air Net (YELLOW)	GREEN:	151.295 S
151.280 S	CDF Air Net (BLUE)		
168.775 R	USFS Tahoe National Forest		38.37 FXR
155.025	Lake County Fire		
154.445	Yolo County Fire		453.800
154.19	Sacramento County Fire		

460.050 (CH1 CENTRAL)	Sacramento Police Dept.	(KMA907)	
460.075 (CH2 SOUTH)	" " "	"	
460.325 (CH3 DETECTIVES)	" " "	"	
460.425 (CH5 TACTICAL)	" " "	"	
460.275 (CH6 EMERGENCY)	" " "	"	
153.95	Sacramento Fire Department	(KMF866)	Also: 154.19
153.89	" " "	"	453.600
153.74	California State Univ Police, Sacramento		
460.450	California State Police		

Many, Many more frequencies in use in this area. Search 453 MHz and 460 MHz UHF spectrums for law enforcement activities. Don't forget VHF-Hi band!

IV. S/B I-S 80 from Sacramento thru Vacaville, Vallejo and Oakland to San Francisco.

42.46 B/42.70 M	CHP South Sacramento # 112; Woodland # 47	BLACK
42.40 B/42.16 M	CHP Fairfield # 22; Napa # 21; Contra Costa 19	PURPLE
42.12 B/42.20 M	CHP Oakland # 96	GOLD
42.42 B/42.84 M	CHP Hayward # 25	TAN
42.44 B/42.76 M	CHP San Francisco # 32	PINK
42.08 B/42.28 M	CHP Marin/GG Bridge # 34; Redwood City # 91	SILVER
42.88 B/42.66 M	CHP Santa Rosa # 17	ORANGE
42.50 B/42.82 M	CHP San Jose # 24	BROWN

154.650 (BLACK)	Alameda County Sheriff	(KMA539)	(Dispatch)
155.250 (YELLOW)	" " "	"	"
155.13 (PURPLE)	" " "	"	(Tactical)
155.07 (GREEN)	" " "	"	(Mutual Aid)
39.24 (CH1) (39.28)	Marin County Sheriff	(KMA224)	(Dispatch)
39.52 (CH2) (39.72)	" " "	"	(All Depts)
39.36 (CH3) (39.44)	" " "	"	(Car to Car)
	San Mateo Sheriff-See RCMA Newsletter		

156.09 (CH1)	Oakland Police Department	(KMA301)	(South Disp)
155.79 (CH2)	" " "	"	(North Disp)
460.175 (CH1)	Berkeley Police Department	(KSL359)	(Dispatch)
45.10 (CH1)	San Francisco Police Department	(KMA438)	(West & S/W)
45.14 (CH2)	" " " "	"	(Mission/Hunter
45.58 (CH3)	" " " "	"	(Central & N/E)
45.46 (CH4)	" " " "	"	(Traffic)
45.30 (CH5)	" " " "	"	(Car to Car)
460.075	" " " "	"	(Citywide Tac2)
488.3625 (CH1)	" " Fire Department	(KYO980)	(Dispatch)
488.5625 (CH2)	" " " "	"	"
488.7625 (CH3)	" " " "	"	"
453.200	San Francisco Airport Police	(KBL518)	
153.74	San Francisco State University Police	(KVN724)	
155.505	Univ of California, Berkeley Police	(KQP502)	

460.200 (CH1)	San Jose Police Department	(KMA359)	(East Disp)
460.325 (CH2)	" " " "	"	(Central Disp)
460.475 (CH4)	" " " "	"	(South Disp)
460.100 (CH9)	" " " "	"	(Tactical)
155.505	San Jose State University Police	(WYU866)	Also: 153.74
155.550	University Of California Police, San Francisco	(KMA438)	

This area is virtually saturated with radio frequencies. A great deal of activity on all bands, VHF-Low, VHF-High and UHF. Remember, up here 460 MHz and 488 MHz are used, unlike Los Angeles where 460 MHz and 506 MHz are heavily used. It all depends upon which UHF-TV channels are in use in a particular area, ie: Channels 14 through 18 and 22, etc. Have fun & good luck searching the bands!

V. S/B to SR-1 from San Francisco area to Santa Cruz, then S/B SR-1 thru Monterey, Carmel, Big Sur area continuing down to San Luis Obispo area. Continue S/B US 101 thru Buelton, Solvang down towards Santa Barbara and continuing south on Pacific Coast Highway thru Ventura County back into Los Angeles basin.

42.54 B/42.24 M	CHP Monterey # 27; Santa Cruz # 26; Santa Barbara # 29
42.56 B/42.72 M	CHP Pasa Robles # 9; San Luis Obispo # 28; Santa Maria # 14; Buelton # 3
42.40 B/42.16 M	CHP Ventura # 31
42.50 B/42.82 M	CHP West Valley # 56; Glendale # 98
42.44 B/42.76 M	CHP Malibu # 109; West Los Angeles # 79

155.565	Santa Cruz County Sheriff	(KBC891)	(DISPATCH)
154.325	" " " Fire	(KBU638)	"
158.745	Monterey County Sheriff (Health Services)		
159.09	" " " (Primary/Dispatch)		
159.21	" " "		
	San Luis Obispo & Santa Barbara Counties see RCMA		
159.21	Ventura County Sheriff		Also: 158.73 MHz. CH2 for Ventura S.O. units
170.550	Los Padres National Forest		
44.64	California State Park Service, Big Sur		

Make sure you bring your back issues for special lists of frequencies/unit numbering systems for San Francisco, San Mateo County, Santa Barbara County and San Luis Obispo County. (San Mateo County-search 488 MHz spectrum. Santa Barbara and San Luis Obispo Counties search 460 MHz spectrum).

From ERIC (CA-LA-045): (retyped from info from another member-lost source, sorry)

CALIFORNIA DEPARTMENT OF FORESTRY

VHF Radio System Frequency Assignments

REGION 1 - NORTH COAST

Area	Repeater	Input	Air Net Channel (Simplex)
Region Net	151.385 MHz	159.270 MHz	
Local Nets			
Humboldt-Del Norte	151.250 MHz	159.405 MHz	Yellow 151.310 MHz
Mendocino	151.190	159.225	Yellow 151.310
Lake-Colusa	151.340	159.315	Yellow 151.310
Napa-Yolo-Solano & Sonoma	151.460	159.390	Yellow 151.310

REGION 2 - SIERRA CASCADE

Area	Repeater	Input	Air Net Channel (Simplex)	
Region Net	151.325 MHz	159.360 MHz		
Local Nets				
Siskiyou	151.250	159.330	Green	151.295 MHz
Shasta-Trinity	151.160	159.270	Green	151.295
Lassen-Modoc	151.190	159.390	Green	151.295
Tehama-Glenn	151.370	159.285	Green	151.295
Butte	151.400	159.375	Green	151.295
Nevada-Yuba-Placer	151.250	159.405	Blue	151.280

REGION 4 - SOUTH SIERRA

Area	Repeater	Input	Air Net Channel (Simplex)	
Region Net	151.265 MHz	159.330 MHz		
Local Nets				
Mariposa-Madera & Merced	151.460	159.390	Yellow	151.310 MHz
Fresno-Kings	151.385	159.270	Yellow	151.310
Tulare	151.190	159.225	Yellow	151.310
El Dorado-Amador	151.190	159.225	Blue	151.280
Calaveras-Tuolumne	151.175	159.450	Blue	151.280

REGION 5 - CENTRAL COAST

Area	Repeater	Input	Air Net Channel (Simplex)	
Region Net	151.445 MHz	159.345 MHz		
Local Nets				
San Mateo-Santa Cruz	151.370	159.285	Green	151.295 MHz
Santa Clara	151.400	159.375	Green	151.295
Monterey-San Benito	151.250	159.405	Green	151.295
San Luis Obispo	151.325	159.315	Blue	151.280

REGION 6 - SOUTHERN CALIFORNIA

Area	Repeater	Input	Air Net Channel (Simplex)	
Region Net	151.265 MHz	159.330		
Local Nets				
San Bernardino	151.445	159.390	Yellow	151.310 MHz
*Orange	151.325	159.345	Yellow	151.310
Riverside-West	151.385	159.360	Yellow	151.310
Riverside-East	151.175	?	Yellow	151.310
San Diego	151.190	159.225	Green	151.295

COMMON FREQUENCIES

State Net- Repeater	151.355 MHz(R)	159.300 MHz(M)	STATEWIDE USEAGE
Air Nets - Simplex YELLOW	151.310 MHz	All of Region 1; Madera-Mariposa, Fresno-Kings; Tulare & Kern in Region 4; Orange, San Bernardino, Riverside, Inyo, Los Angeles, and Ventura in Region 6.	

GREEN	151.295	Butte; Shasta-Trinity, Tehama-Glenn in Region 2; San Mateo-Santa Cruz, Santa Clara, most of San Benito-Monterey in Region 5; San Diego in Region 6.
BLUE	151.280	Nevada-Yuba-Placer, Lassen-Modoc and Siskiyou in Region 2; Amador-El Dorado, Tuolumne-Calaveras in Region 4; Santa Barbara, San Luis Obispo and Southern Monterey in Region 5.
Handie-Talkie Net - Simplex		STATEWIDE USEAGE
RED	151.220	

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* NOTE: 151.325R/159.345M MHz has reportedly been discontinued from use in the Orange County area of Region 6. This frequency may be reassigned to supplement the 151.445R/159.390M MHz frequency as used in the San Bernardino area of Region 6.

There is presently no Region 3 in the California Department of Forestry (CDF) (formerly called California Division of Forestry).

151.355R/159.300M MHz reportedly can be used either with the repeater or simplex without the repeater (on 151.355 MHz). Apparently, most of the local and region net frequencies may also be used either simplex or through repeaters (which are tone controlled).

From BASC (Bay Area Scanner Club):

Re: Article on L.T.B.M.U. (Lake Tahoe Basin Management Unit-United States Forest Service)

L.T.B.M.U. UPDATE Note 1, ...delete "No repeaters yet. Some sites under study."; add..."Repeater: Freal Peak (10881'), El Dorado-Alpine County, California. Serves Desolation Wilderness Area." (BAY SCAN 1/81, p2; RCMA 5/81, p68).

GREGORY C. CURRIVAN, 5/81

NEWSFLASHES: From ERIC (CA-LA-045)

The California Highway Patrol's East Los Angeles Office # 82 is scheduled to change over to the new YELLOW channel any day now. (42.52 B/42.30 M). (Dated 08/10/81) They are presently sharing the GOLD channel with the Santa Fe Springs Office # 83. Simulcasting of both GOLD and YELLOW channels is planned until budget for another dispatcher and dispatch console can be alocated to the Los Angeles Dispatch Center.

Finally someone has come out with a filter to block out FM music broadcasts from getting in through your scanner. This problem is especially bad in the greater Los Angeles, California area. The major problem is that a local FM rock music station happens to come in just perfectly on a local California Highway Patrol frequency. Example: 42.40 MHz + 42.40 MHz (CHP Purple channel) + 10.7 MHz (IF frequency for most scanners including Regency, Pace, Radio Shack, etc.) = 95.50 MHz (FM broadcast band). The filter is available through B & B Sales, 16390 Jupiter Circle, Westminster, California 92683. PH# 714 842-0214. The filter reportedly is also available for $14.95 plus tax from several scanner stores in Anaheim, California and other locations.

Did you miss the multi-issue computer listing of the California Highway Patrol's Radio System? If so, you may either purchase back issues from R.C.M.A. Headquarters, P.O. Box 4563, Anaheim CA 92803; or you may purchase a special reprint including a fantastic one page map of the State of California broken down into C.H.P. areas outlining C.H.P. office numbers and channel colors. If you are interested in this reprint, send $3.00 to cover photocopying and mailing costs to: ERIC CHRISTENSEN, (CA-LA-045), 3146 W. Ball Road, Apt. # 35, Anaheim, California 92804. This is a multi-person effort to serve the members of R.C.M.A., especially newcomers and fans of the C.H.P.'s radio system, of which I am one.

Some members are complaining about the lack of input from Northern and Central California. All I can say is that I can't print it if I don't have it! If you want to see something in print, SEND IT TO ME! I don't have access to information which you might have; if you think other members might enjoy it, SEND IT TO ME: ERIC (CA-LA-045), 3146 W. Ball Road, Apt. # 35, Anaheim, California 92804. You must allow at least a two month delay from the time you submit the information until the time you see it in print. This is due to the complexities of putting out a MAGAZINE!

And now, something from the Membership at large:

Missy IVERSON (CA-MR-001) advises she would like to see more information on the San Joaquin Valley (County). She reports the California Dept. of Water Resource is on 151.235 MHz (California Aqueduct). License: KNE49 Coalinga; KNE50 San Joaquin; (600 series units). KOS88 Lost Hills; and KYT79 San Luis Obispo (500 series units).

Doug STAGNER (CA-SD-031) wants to see more information from the San Diego area.

FD	San Diego, CA.	Dispatch (Station F)	KLI705	154.310 MHz. BM	CH 1
FD	San Diego, CA.	Countywide mutual aid	KTX766	155.085 MHz. BM	RED
FD	San Diego, CA.	State Mutual Aid	KUY932	154.280 MHz. BM	WHITE
PD	Chula Vista, CA.	Dispatch	KJF710	154.815 MHz. BM	
PD	El Cajon, CA.	Dispatch (Station K)	KDA652	155.625 MHz. BM	
PD	La Mesa, CA.	Dispatch (Station)	KBS207	153.845 MHz. BM	

THAT'S ALL FOR NOW FOLKS--more to come next month. 73's, ERIC (CA-LA-045)

FCC TOPICS

George DuBois, Editor

Send FCC news and information of interest relating to two-way communications above 30 MHz, as well as questions regarding the FCC Rules and Regulations, to: George DuBois, 10048 NE Campaign, Portland, OR 97220.

The General Mobile Radio Service

The General Mobile Radio Service (or Class A Citizens Band, as it was called until a few years ago) consists of a handful of channels at 462 mHz. But there's quite a bit of history behind this service, the story of the present UHF band, as a matter of fact.

The Citizens Radio Service was proposed in 1945 and was created so that "any American citizen, firm, group or community unit could privately transmit and receive short-range messages". The frequency band allocated was from 460 to 470 mHz and was (as near as I can determine) the first land mobile service allocated in our now-familiar UHF band. (You've got to remember that all this happened before I was born.) AM or FM emissions were allowed and the maximum power was 50 watts. Then, in 1947, Class B CB was created. Class B service was intended for short-range communications and stations were authorized a maximum power of 10 watts on 465.0 mHz, plus or minus .4%. All Class B emissions were to be confined to the band 462-468 mHz. Type approval of equipment was also instituted at this time.

In 1949 a few more changes were made. The Commission ruled that applications would not be accepted from applicants who were eligible in other services. Proposed at that time were changes that would lower the eligibility age of licensees from 18 to 16 and allow temporary licensing. Both proposals were rejected, temporary licensing being ruled as in violation of Section 301 of the Communications Act. (Funny, thirty years later it "suddenly" became permissible, under the same Act!)

In 1957 rule changes were proposed that would reallocate much of the 450-470 band. In the 460-470 band, 1 mHz of spectrum was to go to the Domestic Public (mobile phone) Service (which didn't happen) and 8.45 mHz to the Industrial services. Only the band from 464.75-465.25 would remain in the Citizens Radio Service. 465.0 mHz would be retained to Class B CB, but with greatly restricted emission limits. To make up for the lost spectrum, the band 26.96 through 27.23 mHz would be reallocated from the Amateur Radio Service to create a new Class D CB. The most vigorous opponent of this reallocation was Vocaline Company of America, a manufacturer of transceivers for Class B CB. These radios sold for under $100. Vocaline stated that they had sold 20,000 of these units and at the time was selling over 2000 of them a month. They urged preservation of the previous Class B allocation, or, at the least, a 3 mHz-wide segment. They stated that they could modify the transceivers to limit their emission to plus or minus 1.5 mHz of 465.0 with only a slight increase in price. Meeting the proposed limits (±.225 mHz) would require a crystal-controlled design and a substantial increase in consumer cost. (These must have been some radios, huh?)

But, obviously, the growing demand for spectrum for two-way radio dictated the need to proceed with the reallocation of most of the band for the Industrial services. The Final Order allocated specific frequencies for Class A stations for the first time, namely 464.75 through 465.25 with .05 mHz spacing, plus, on a shared basis pending reallocation, 462.55 through 463.2 mHz and 465.3 through 466.45. 460.05 through 460.95 (in .05 mHz increments) remained available to existing licensees, pending reallocation of this band also. Type acceptance of equipment was instituted and the footnote to Part 19 restricting licensees eligible in other services was eliminated.

For Class B stations the tolerance was "tightened" to .3%, with all emissions to be confined to the band 462.525-467.475, a concession to the obvious demand for the short-range uses of the service. But Class B stations were subject to no interference protection from Class A stations or stations in the Industrial services. To limit interference to the other services, the maximum power limit for Class B stations was reduced to five watts, which is what most radios made at the time used anyway. Class B stations were allowed to operate on the Class A channels, though, if equipment type- accepted for Class A service was used.

Subsequent reallocations of the UHF band narrowed the number of channels available for Class A CB down to the present eight. Class B was eventually discontinued and the service died a slow death in the late 60's. (465.0 mHz was later reallocated for one-way paging in the Business Radio Service. These are the frequencies presently available in the General Mobile Radio Service:

462.550	462.650
462.575	462.675
462.600	462.700
462.625	462.725

The technical standards (and equipment cost) are similar to the other UHF services and for that reason the main appeal of GMRS is the ability for small businesses or self-employed persons to carry on their business and personal communications in one system, where they might not be eligible in one of the Industrial services. There are community repeaters on most channels in most cities for reasonable rent, but you still won't find much of the chit-chat you hear on the 27 mHz channels. They are mostly business-related uses.

Looking to the future, the FCC issued a Notice of Inquiry in June of 1979 concerning the allocation at 900 mHz of a new Personal Radio Service (as Citizens Radio Service is now called). The bands mentioned were the 894-902 or the 928-947 mHz reserve bands (although some segments of these bands have already, or soon will be, allocated to

other services). It's been two years now, but according to the Commission timetable a Notice of Proposed Rulemaking should be released this fall. Envisioned are community repeaters, phone-patches, paging and selective calling. This is sure a far cry from the "modulated oscillator" UHF transmitters of the 1950's.

contact/info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make your desires known. Remember--those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address.

Write to: John W. Darr, P.O. Box 1652, Cheyenne, WY 82001

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* NOTE TO MEMBERS *
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Please don't ask to insert items that: (1) are unclear, (2) impugn the reputation of another, (3) are personal, first-person communications, or (4) are to be carried in more than one issue. Space, time, resources, and common sense dictate otherwise.

COLUMBUS OHIO AREA FREQ SWAP: Member willing to exchange his information for yours of the Columbus and Central Ohio police and fire codes. Also looking for the numbering system for the Columbus PD and the Dept of Natural Resources. Truly appreciate any and all responses. [7-1-81]
RICK POORMAN (OH-Ø19), 327 Marion Ave, Marion, OH 43302

RIVERSIDE - DENVER FREQS: Member planning trip along I-15 and I-70 from Riverside, CA, to Denver, CO, would appreciate receiving along-the-route frequencies: PD, FD, Ambulance, Hiway Patrol, hiway mx, sheriff, LG, air traffic control, and any Federal frequencies such as FBI, SS, USFS, USPS. [7-14-81]
MIKE CONSALVO (CARI-Ø11), 10060 Hillsborough Ln, Riverside, CA 92503

CT/NY/NJ INFO WANTED: Connecticut member wishes to exchange federal, PD & FD info with tri-state members. Need PD & FD codes and federal info for all agencies in all three states. Will exchange for info already gathered. Especially needed are NY State Police, Dutchess & Putnam County and federal materials. Have gathered some info on CT; will correspond with any member. [7-17-81]
TOM OSENKOWSKY (CT-Ø31), 5 Beechwood Grove, Brookfield, CT 06804

LOTS OF INFO WANTED! Chicago-area member, who uses a Bearcat 250, is interested in obtaining frequencies for the Chicago, Garland (Texas) and Los Angeles-Ventura County areas. He'd also like to join any area chapter or club, and receive its newsletter. (Already member of Chicago Area Chapter, RCMA.) [7-27-81]
JAMES L CAVANAGH (IL-Ø6Ø), 18 E. Heron Dr, Palatine, IL 60067 // 312-991-1562

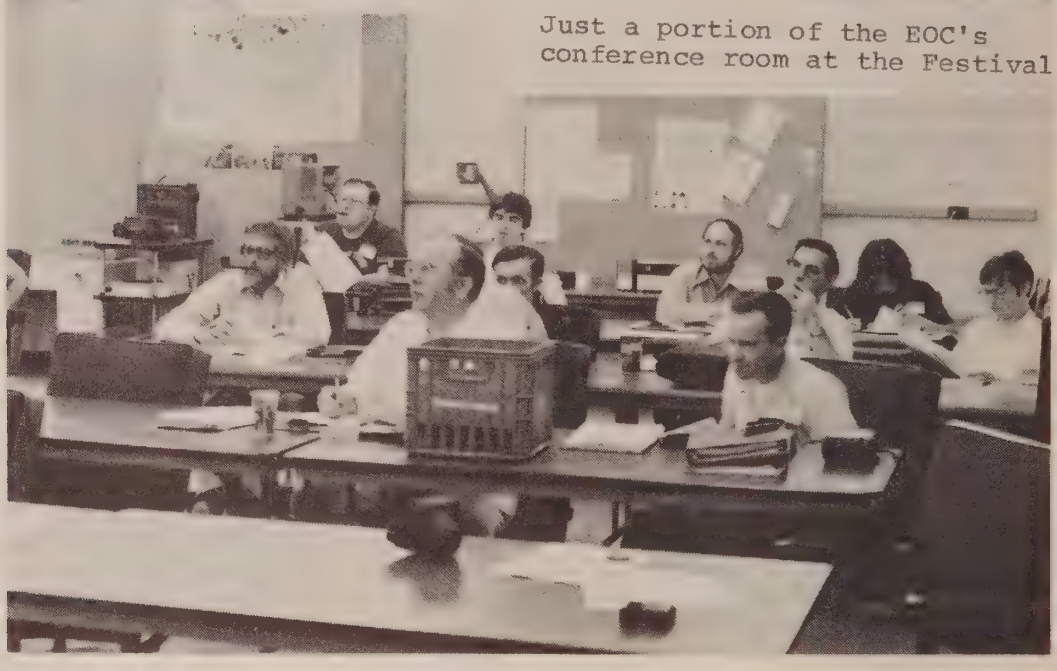
SONAR RADIO CORP INFO WANTED: Is Sonar Radio Corp still in business? If so, can someone furnish an address/phone number? Or -- does anyone do service work on Sonar Low/Hi scanners? [7-30-81]
CHUCK O'CONNOR (CASC-Ø17), 1833 Germaine Ct, San Jose, CA 95122

ATTN: VENTURA COUNTY (CALIF) AREA MEMBERS Interested in exchanging federal frequency information? If so, contact the following. He will compile a list of members' names and distribute to each. [7-31-81]
RON MURRAY (CA-VE-Ø13), 3650 Schooner Walk, Oxnard, CA 93030

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest, Photographs must be 3' by 5' inches or larger, black and white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to: Mike Redman, P.O. Box 1177, St. Charles, MO 63301.

The Midwest Spring Festival, 1981



Just a portion of the EOC's conference room at the Festival

THE SPRING FESTIVAL...

ANOTHER RCMA SUCCESS!

Yes, if you were there, you experienced firsthand the thrill and excitement of the second annual RCMA Midwest Spring Festival! But since a few of you couldn't make it, we'll try to capture a bit of the color here in this brief story. What better way to celebrate Frank Roth's (MO-014) Birthday than a Spring Festival on June 6th?

The list of attendees is just too long to print, but such RCMA personalities as John Arendt (IL-012), Bob Rankin (KS-001), Dave Crowley (MO-009), Tom Maulding (IL-030) and most of the St. Louis Chapter were there. We welcomed several new local RCMA members, not yet part of the local chapter, and several members of SLIDX (St. Louis International DX-ers) and their leader, Terry Klasek. Special Guest was Mike Emken, maintenance engineer for the St. Louis County Emergency Operations Center who drove St. Louis County's Emergency Operations Communications Van to the Festival for us all to see.

Well, it all started about 10:15 AM, at the St. Louis County underground Emergency Operations Center conference room in

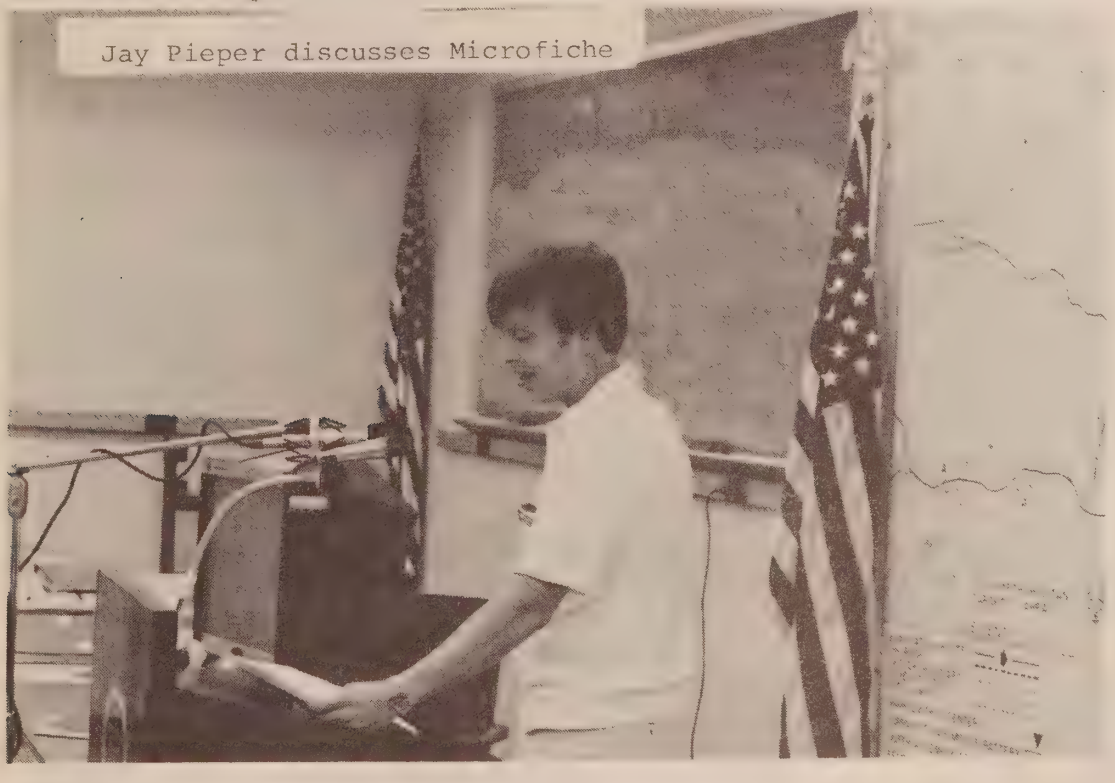
Rankin, Mrs. Carol Soma (wife of Larry Soma IL-096), my lovely wife Deborah, and our three children. Lunch was provided for them from Festival funds, and they spent most of the day at the internationally famous St. Louis Zoo.

A sound/slide introduction for festival guests was provided by myself, and this was followed by a brief history of the County's Emergency Operations Center (EOC). We then got right into things with a tour of the EOC facility. The Radio Communications Room was by far the most interesting, with its wide array of communications gear, featuring a VHF synthesized Wulfsberg transceiver.

This was followed by a film, "Day of the Killer Tornadoes", which was followed by the tour of the Communications Van, a refurbished surplus 1953 GMC tool truck of Army Surplus vintage, which was brought into full service this Spring by myself, with radio equipment capable of doing most anything-featuring two Motorola Syncom VHF synthesized transceivers. I hope to expand on the Synthesized radios and Van in upcoming articles.

After the luncheon, catered by Schnucks Markets, our esteemed list of speakers continued until after 5 PM. These included John Arendt (IL-012) speaking on the Illinois State Patrol, myself speaking on the Missouri State Patrol, Jay Pieper (MO-019) speaking on microfiche, Shortwave by Terry Klasek, SLIDX, and a question and answer period featuring Dave Crowley (MO-009).

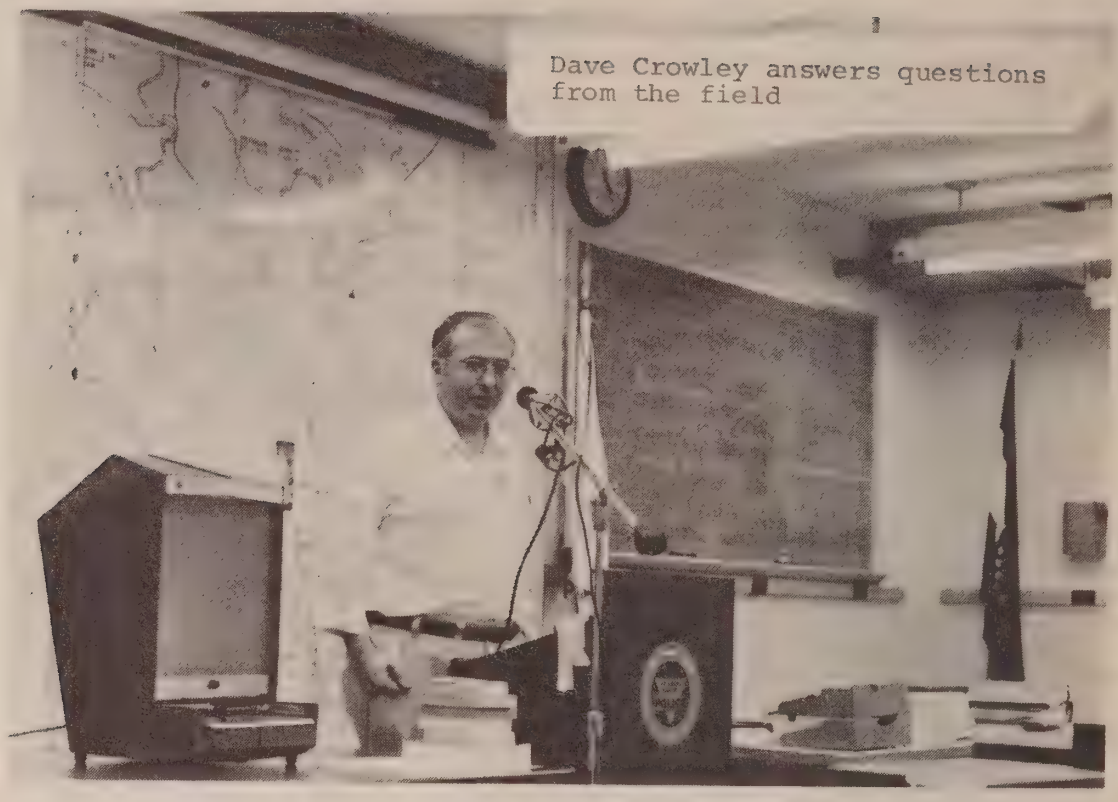
A complete recording of the events was made by member Rob Vogelsang (MO-018), formerly with TV station KTVO of Kirksville, MO. If you would like a casette copy of the events, contact Rob, 94 Green Acres, St. Louis, MO 63137. He'll advise charges, etc.



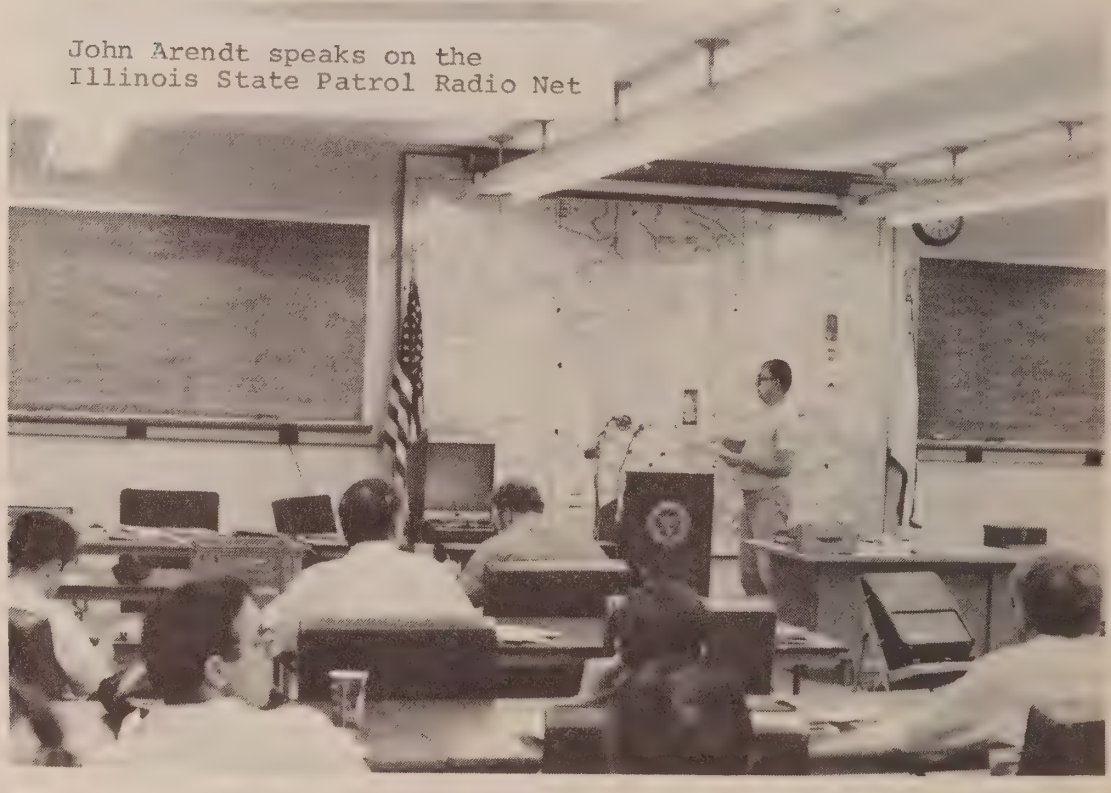
Jay Pieper discusses Microfiche

I would like to thank everyone who inquired about the Festival and all who were there and helped make it the most successful yet. Particularly helpful were many St. Louis Chapter members who helped with registration, printing, lunch procurement and serving, and cleanup. Our chapter picked up a few new members as a result.

We'll try to do it all over again next year, hopefully again at the EOC. I'm going to make a tentative date for next year's



Dave Crowley answers questions from the field



John Arendt speaks on the Illinois State Patrol Radio Net

Festival, and keep this date in mind. I should be able to finalize it later in the year and it will be firm by January, '82. Let's try for Saturday, May 1, 1982, for the Third Annual Midwest Spring Festival. Make plans now to be there!

Respectfully submitted,
Mike Redman, MO-002

PAID ADVERTISEMENT

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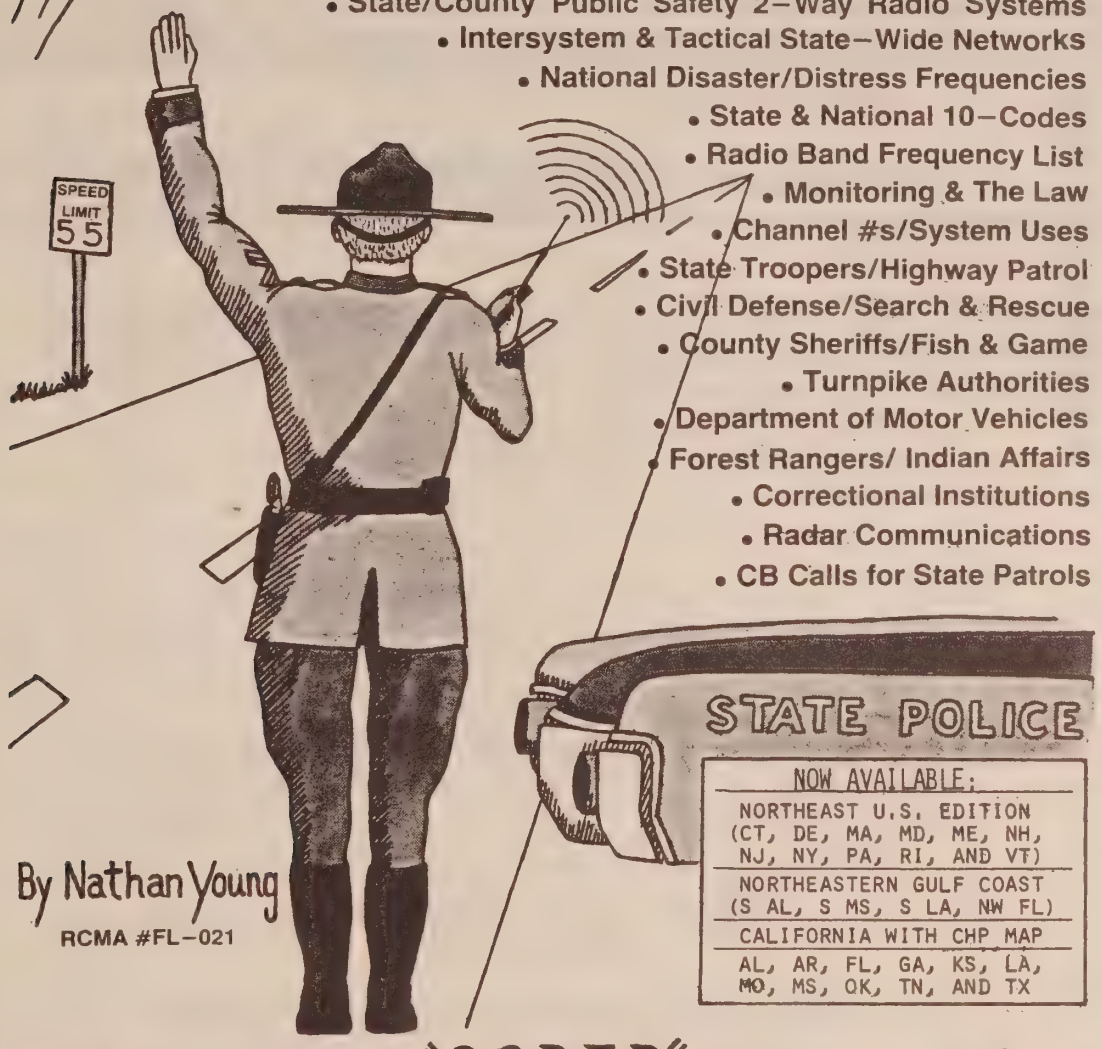
- County Sheriffs/Fish & Game
- Turnpike Authorities
- Department of Motor Vehicles
- Forest Rangers/ Indian Affairs
- Correctional Institutions
- Radar Communications
- CB Calls for State Patrols



By Nathan Young
RCMA #FL-021

NOW AVAILABLE:
NORTHEAST U.S. EDITION (CT, DE, MA, MD, ME, NH, NJ, NY, PA, RI, AND VT)
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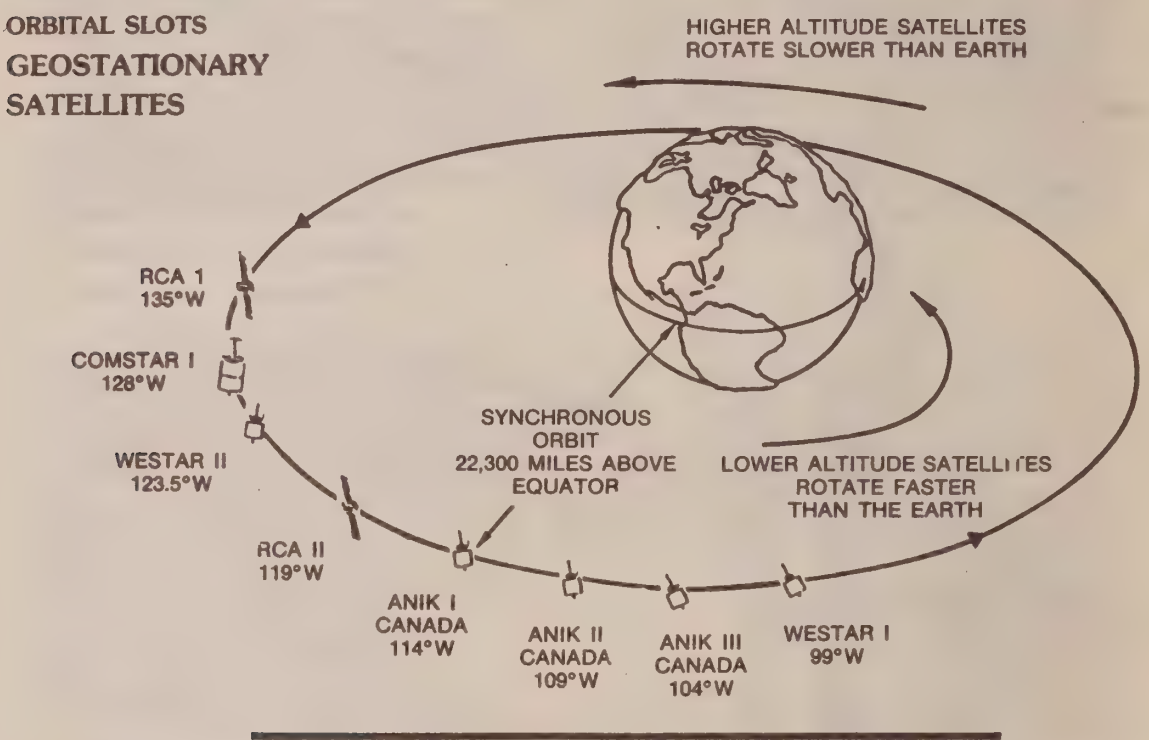
DEALER INQUIRIES
* ARE INVITED *

SATELLITES

EDITOR NEEDED!

We need a new Satellites column editor effective immediately. The editor of this column should be familiar with satellite systems and communications and should be an active satellite monitor. The editor also should have a knowledge of the history of older satellite systems and be familiar with upcoming new systems. This editor would be required to generate most of the copy for this column. If you are interested, please TYPE a letter telling about yourself and qualifications to RCMA Managing Editor, P.O. Box 1119, Flemington, NJ 08822.

SATELLITE PROGRAMMING GUIDE


ORBITAL SLOTS
GEOSTATIONARY SATELLITES
HIGHER ALTITUDE SATELLITES ROTATE SLOWER THAN EARTH
RCA 1 135°W
COMSTAR I 128°W
WESTAR II 123.5°W
RCA II 119°W
ANIK I CANADA 114°W
ANIK II CANADA 109°W
ANIK III CANADA 104°W
WESTAR I 99°W
SYNCHRONOUS ORBIT 22,300 MILES ABOVE EQUATOR
LOWER ALTITUDE SATELLITES ROTATE FASTER THAN THE EARTH

RCA SATCOM F1 satellite. This bird supplies mostly CATV programming.

Transponder Number	Program
1.	KTVU - San Francisco Independent
2.	PTL - People That Love - religious
3.	WGN - Chicago Independent
4.	Broken and out of service
5.	STAR CHANNEL - Warner Bros.
6.	WTBS - Atlanta Independent
7.	ESPN - All Sports Network
8.	CBN - Christian Broadcasting Network - religious
9.	Madison Square Garden - NYC pay TV
10.	SHOWTIME - West coast time pay TV
11.	STAR CHANNEL - Warner Bros.
12.	SHOWTIME - East coast time pay TV

RCA SATCOM F2 satellite. This bird supplies network contract video and assorted occasional video usage.

4	occasional video
8	NBC contract video
16, 17, 18, 20, 22, 23	occasional video

WESTERN UNION WESTAR 1. This bird supplies the Public Broadcasting Network and occasional video usage.

1, 2, 6, 12	occasional video
8	PBS network video
9	PBS network video
11	PBS network video

Satellites continued

13. KTBN - Trinity Religious
14. RCA International Traffic
15. For sale
16. FANFARE - pay TV
17. Showtime - pay TV
18. Reuters News Service - from England
19. For sale
20. Home Box Office - pay TV
21. Southern Satellite Systems
22. Home Box Office - pay TV
23. Home Box Office - pay TV
24. Home Box Office - pay TV

WESTERN UNION WESTAR II. This bird supplies the Spanish Information Network and occasional video usage.

1, 4, 12	occasional video
7	Spanish Information Network

CANADIAN ANIK III. This bird supplies programming for the Canadian Broadcasting Co.

4, 8, 10, 12	CBC Network video, French TV, English TV and CBC Northern service.

Marketplace

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, and items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to: RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550. Please be sure to include your membership number.

ATTENTION!!! ATTENTION!!! ATTENTION!!!

Have you ever responded to a MARKETPLACE ad, by sending your money and never received anything in return. Some members have already notified us of some cases of this. Well, I want to hear from the rest of you.

It happens to be a Federal offense to use the U.S. MAIL to defraud someone out of their hard earned money. I am going to TRY to do something to recover ad respondent losses. I intend to get with the person who placed the ad. If that does not produce results then the matter will be turned over to U.S.P.S. Postal Inspectors and if necessary the U.S. Attorney General's office for possible criminal charges. But, first I need to hear from all of you who may have suffered any losses.

If you're one of those who have placed ads in this column and took the money and never delivered the goods, BEWARE!!! Better yet, why not make good on your offer.

I do not wish to scare anyone from taking advantage of this column. Fact is 99.99 per cent of all ads run are good ads. It is just that there are a few, very few, people who try to cheat other people out of their money. I intend to do my best to see to it that it does not take place in this newsletter.

One suggestion to all: contact the party running the ad before sending any money.

EFFECTIVE IMMEDIATELY: All requests to run ads must contain your street address and phone number. If you do not wish that information printed in the actual ad, fine, just say so. Having this information on hand gives RCMA something to go on should a problem develop. Hopefully, this will control any attempts by would-be "crooks" from using RCMA as a center for their crime.

I encourage all members to write me with their comments and suggestions. If I am overstepping my bounds, I'm sure Chuck Gysi or John Clark will inform me.

By the way, ad deadline for the December 1981 Newsletter is September 30th.

Now this month's ads:

FOR SALE: Regency type crystals for the following frequencies: 471.0375 / 470.7625 / 470.8625 / 460.350 / 460.450 / 460.175 / 154.31 / 154.415 / 155.595 / 154.37 / 154.22 / 46.26 / 46.06 / 39.76 / 39.44 / 42.34 / 44.90 / 45.46 / 39.66 / 155.31. All 20 for $ 30.00. Contact: BILL MULLOWNEY (MA-029), 62 Woodlawn St., Everett, MA 02149.

FOR SALE: Regency type crystals for the following frequencies: 46.50 / 146.910 / 460.125 / 453.425 / 160.830 / 160.245 / 42.70 / 42.86 / 48.28 / 146.970. / $ 3.00 each. Contact: MARK A. THOMAS, JR. (VA-051), 12163 Nokesville Rd., Bristow, VA 22013.

WANTED: Crystal type scanners, 110 VAC/12 VDC. Regency, SBE, Bearcat. Let me know what you have and asking price. Also looking for Midland 13-903B, 13-919 & 13-921 pocket scanners. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548.

FOR SALE: FRG 7700. Perfect condition, like new (no memory option). $ 425.00. Contact: STEVE HANDLER (IL-001), 2610 Sheridan Rd., Zion, IL 60099 or phone 312-746-1414 (days) or 312-498-1403 (nights).

FOR SALE: Sears UHF/VHF programmable scanner. 16 channels, some cards included. Good condition. Will ship. $ 100.00. Contact: RICK ILLES (CA-LA-283) by phone at 213-439-8471.

FOR SALE: Regency Whammo-10 & DFS-5K. Very good condition, no antenna. Many combs, programmed & unprogrammed. Asking $ 225.00 for both. Contact: RUSSELL HILL (MI-002), 22041 sunset, Oak Park, MI 48237.

WANTED: Regency K-500. Mobile accessory not necessary, base only. Can only afford $ 200.00 or less. Contact: STEVE RUSSELL (FL-090), 4923 Springfield Dr., West Palm Beach, FL 33406 or phone 305-689-5329.

FOR SALE: Regency ACT R-10 H/L/U. Excellent condition, just checked by factory. All accessories for AC/DC use. $ 125.00 or best offer. Contact: LAINE S. HERMAN (CA-SD-016), 3177 Via Alicante, La Jolla, CA 92037 or phone 714-452-8423. No collect calls, please.

FOR SALE: RCA hi/lo VHF 4 channel pocket scanner. 5 years old, good condition. $ 75.00 or best offer. Contact: LAINE S. HERMAN (CA-SD-016), 3177 Via Alicante, La Jolla, CA 92037 or phone 714-452-8423. No collect calls, please.

FOR SALE: FCC Microfiche. Complete September 1980 edition, excerpt for Alaska & part of Alabama. 35 sheets list licensee, frequency, call sign, city & state. Data listed by state and city. $ 10.00. Will ship by 1st Class Mail. Contact: DAVID ESTILL (KS-002), P.O. Box 55701, North Pole, AK 99705.

FOR SALE: Bearcat type crytals for the following frequencies: 155.01 / 155.13 / 155.28. Never used. $ 4.00 each or all 3 for $ 10.00. Contact: BOB MILO (NY-144), 117 Fenimore Rd., Mamaroneck, NY 10543.

FOR SALE: Regency Touch M-400. Under warranty. $ 250.00. U.P.S. shipping paid. Contact: BRENT BASINGER (CA-SB-016), 9182 Cielito, Alta Loma, CA 91701 or phone 714-987-1462. No collect calls, please.

WANTED: Radio Shack VHF Hi-Lo/UHF scanner pre-amplifier, manufactured about 5 years ago. Red case & power supply. Contact: JOHN MACMILLAN (MA-005), Box 566, Ashburnham, MA 01430.

FOR SALE: Russell Digi Scan, 10 channel, High & Low band hand held scanner in good condition, with charger, rubber duckie, warranty card. $ 115.00. Contact: JERRY CALLAM (OH-015), 104 Maplewood, Mt. Vernon, OH 43050.

FOR SALE: Repair manual for Regency K-500.
Contact: JERRY CALLUM (OH-015), 104 Maplewood, Mt. Vernon, OH 43050.

FOR SALE: Bearcat 5, 8 channels, H/L/U, AC only, 1 year old. With crystals for the following frequencies: 154.235 / 155.550 / 155.34 / 42.12. Also will throw in Radio Shack Patrolman tuneable monitor, H/L/U Pro-3A. Both in real good condition. $ 100.00 ($ 85.00 w/o BC-5 crystals).
Contact: AL CHRISTOPHER (MS-008), 122 Margaretta Dr., Starkville, MS 39759.

FOR SALE: Bearcat 250. Excellent condition; can be programmed out of band. Asking $ 230.00. Contact: MATT MERCER (WA-012), 6416 Brandywine Way, Las Vegas, NV 89107 or phone 702-870-7740.

FOR SALE: Bearcat 4-6. Needs some paintwork, but works perfectly. Rubber duckie antenna included. Asking $ 25.00. Contact: MATT MERCER (WA-012), 6416 Brandywine Way, Las Vegas, NV 89107 or phone 702-870-7740.

FOR SALE: Bearcat crystals for the following frequencies: 42.88 / 154.13 / 154.295 / 158.745 / 158.79 / 159.09 / 460.05 / 460.15 / 460.30. Contact: MATT MERCER (WA-012), 6416 Brandywine Way, Las Vegas, NV 89107 or phone 702-870-7740.

FOR SALE: One Bearcat AC adaptor and one Bearcat battery charger. $ 6.00 each. Contact: MATT MERCER (WA-012), 6416 Brandywine Way, Las Vegas, NV 89107 or phone 702-870-7740.

FOR SALE: Bearcat BC-250. Excellent condition. With all accessories & manual. Will receive 406-420 mhz. $ 200.00. Contact: GERRY KERNS (CA-OR-193), 1250 S. Sycamore, Santa Ana, CA 92707 or phone 714-836-7050 or 714-834-1805.

FOR SALE: Realistic PRO-2001. Excellent condition, have original packing, mounting bracket, cord, instructions $ 275.00. Contact: TOM OSENKOWSKY (CT-031), 5 Beechwood Grove, Brookfield, CT 06804.

FOR SALE: Realistic Patrolman PRO-2 tuneable. $ 60.00. Excellent condition. Contact: TOM OSENKOWSKY (CT-031), 5 Beechwood Grove, Brookfield, CT 06804.

FOR SALE: Bearcat Thin Scan H/L, $ 75.00. Regency 4-channel UHF, $ 60.00 (like new w/warranty card). Bearcat-6 6 ch. H/L (like new) $ 60.00. Regency 8-ch. VHF Hi (AC/DC) $ 50.00. 4-ch. Bearcat UHF Pocket Scanner $100.00. Will ship free. Contact: GARY MONDFRANS (CA-SM-009), 713 Pepper Dr., San Bruno, CA 94066.

FOR SALE: Bearcat 300. 8 months old; good condition. $ 350.00; price is negotiable. Contact: RAY HILL (IN-023), 636 E. Washington St., Greencastle, IN 46135 or phone 317-653-6479.

FOR SALE: Regency ACT-T-16K 16 channel programmable scanner. Needs some work, sometimes does not scan properly. $ 70.00 shipping included. Contact: CHUCK SANDEY (MN-013), 7100 Chicago Ave. So., Richfield, MN 55423.

FOR SALE OR TRADE: Bearcat 150. 2 months old, perfect condition. $ 200.00 or will trade for a Regency K or M 100 series unit. Contact: RICHARD AVERY (CA-AL-020), c/o Employee Village @ Jackson Lake Lodge, Moran, WY 83013.

FOR SALE OR TRADE: DX-300. $ 300.00 or best offer; will trade for good Hammarlund, Hallicrafters, National, etc., plus $ 100.00 cash; DX 100 for $ 90.00. Contact: RONALD POKATILOFF (IL-083), 2661 Sheridan, Zion, IL 60099.

FOR SALE: Bearcat 250. No mobile gear, but everything else. 3 years old, but still in good condition. $ 100.00. Contact: LEWIS S. HARVEY (GA-008), 415 E. Hall St., Savannah, GA 31401 or phone 912-233-2775. NO COLLECT CALLS.

FOR SALE: Bearcat 220. No mobile gear, but everything else. 2 years old, excellent condition. $ 100.00. Contact: LEWIS S. HARVEY (GA-008), 415 E. Hall St., Savannah, GA 31401 or phone 912-233-2775. NO COLLECT CALLS.

FOR SALE: Midland 4 channel hand held. VHF Hi (150-174)/UHF (450-470). Channel 1 by-pass; carrying case w/belt clip; telescopic antenna; 2 sets of Ni-Cad Batteries w/charger; 16 assorted crystals & manual. $ 75.00. Contact: LEWIS S. HARVEY (GA-008), 415 E. Hall St., Savannah, GA 31401 or phone 912-233-2775. NO COLLECT CALLS.

FOR SALE: Bearcat crystals for the following frequencies: 45.28 / 155.22 / 463.0 / 468.0 / 156.425 / 156.9 / 157.05 / 157.075 / 156.03 / 460.025 / 460.2 / 460.325 / 460.4. $ 1.00 each or all 13 for $ 10.00. For individual crystals send stamped envelope. Contact: LEWIS S. HARVEY (GA-008), 415 E. Hall St., Savannah, GA 31401 or phone 912-233-2775. NO COLLECT CALLS.

FOR SALE OR TRADE: Bearcat 250. Used, good condition. $ 175.00 or best offer. Bearcat 4-6. Used, good condition w/accessories. $ 80.00 or best offer. Bearcat crystals for the following frequencies: 154.13 / 154.25 / 154.31 /

154.055 / 155.295 / 155.34 / 158.955 / 159.03 / 460.025 / 460.075 / 460.45. $ 1.50 each. Realistic Patrolman Pro-3A tri-band tuneable. $ 20.00 or best offer. Am looking for a Bearcat 12 and a Bearcat 101 (or any 16 channel tri-band scanner, Bearcat or Regency preferred) willing to pay reasonable price or trade for any of above. Will pay for U.P.S. Contact: ED GEERY (NY-129), 170 Brookview Dr., Irondequoit, NY 14617.

FOR SALE: Regency H-604 4-band 6-channel pocket scanner w/charger. New w/warranty card. $ 120.00. Will ship U.P.S. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

FOR SALE: Bearcat 2-4 aircraft pocket scanner. Covers aircraft & 450-470 mhz. New w/warranty card. $ 80.00. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

FOR SALE: Motorola Model PA-8098 tube type FM receiver. For AC use; needs external speaker. In working condition, set on 42.44 mhz. $ 30.00 plus U.P.S. shipping (30 lbs.). Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

FOR SALE: Petersen Radio Co. RM2-4 solid state 4 channel monitor receiver. Covers 2 mhz to 200 mhz using individual crystal osc boards that plug into main board. One board included, also AC/DC cords. Radio Shack (Ft. Worth) now handles the boards for this unit. $ 50.00. Will ship U.P.S. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

FOR SALE: Radio Shack Pro-2001 w/service manual. Everything appears to function OK, except it doesn't receive. I bought it to repair for myself, but now I don't have the time. $ 50.00. Will ship U.P.S. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

FOR SALE: Motorola type power speakers. 15w/12vdc. I have 4 of them. Asking $ 35.00 each. Will ship U.P.S. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

WANTED: Service manual, parts list, or schematic for GE FM Receiver Model 4E R6C5 rev F. Does anyone have any of these old units for sale? Also, I'm looking for replacement vibrators by Mallory, part #G1801S or G1801. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

WANTED: Regency single channel or 12 channel monitor receivers for low, high, & UHF bands. Drop me a line on what you have, the condition, and your price. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

FOR SALE: Many Regency & Bearcat type crystals. $ 3.00 each or 4 for $ 10.00. Send SASE for a list of crystals to: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122.

WANTED: 1976 edition, Volume 7 of POLICE CALL radio directory. Will pay $ 5.00 if in good condition. Contact: MICHAEL BENNETT (TX-081), 804 N. Pine, Bonham, TX 75418 or phone 214-583-7118.

WANTED: Commercial quality single (or multi) channel VHF Hi Band monitor receiver. Tube type OK. Contact: MIKE MEGEE (TX-077), 14327 Crosshaven Dr., Houston, TX 77015.

FOR SALE: Many Regency & Bearcat type crystals. $ 2.00 each or 3 for $ 5.00. Send SASE for a list of crystals to: JOSEPH W. McLAUGHLIN (MD-002), 610 Scott St., Baltimore, MD 21230.

WANTED: Complete operating manual for Motorola receiver model R/1121/TRC/87 will purchase outright, or photocopy and send back yours. Contact: ROBERT LEARY (OH-093), 696 Fouse Ave., Akron, OH 44310.

WANTED: A recently published list of FCC microfiche licenses & frequencies for all or part of Ohio (Northeast), original or photocopied, state what you have & price. Contact: ROBERT LEARY (OH-093), 696 Fouse Ave., Akron, OH 44310.

WANTED: Allied Radio Knight Kit "Ocean Hopper." With or without plug-in frequency coils, state condition & price. Contact: ROBERT LEARY (OH-093), 696 Fouse Ave., Akron, OH 44310.

WANTED: Issues 1 through 6 of "SCANNING TODAY," originals or photocopies, state what you have & price. Contact: ROBERT LEARY (OH-093), 696 Fouse Ave., Akron, OH 44310.

FOR SALE: Regency Whamo 10-ch. programmable scanner; good condition. $ 80.00. Realistic Patrolman Pro-8 8-ch. VHF crystal scanner; excellent condition. $ 100.00. Sonar FR-2526 10-ch. VHF Hi/UHF crystal scanner; excellent condition. $ 150.00. All 3 have manuals & all original antennas, cords & hardware. Prices include U.P.S. shipping. Am willing to consider reasonable offers. Contact: DAVID R. ALLEN (AZ-004), 1616 N. Winstel Blvd., Tucson, AZ 85716.

FOR SALE: Regency ACT-C4H 4-ch. scanner aligned for super sensitivity at Federal 165-168 mhz band. $ 60.00. Guaranteed 90 days. Contact: BOB AHERN (MA-088) by phone at 617-251-7216.

FOR SALE: Realistic Pro-77A VHF Hi-Lo 8-ch. scanner aligned for super sensitivity at 165-168 Federal band. $ 75.00. Guaranteed 90 days. Contact: BOB AHERN (MA-088), by phone at 617-251-7216.

FOR SALE: Lafayette PF-300 3 band tuneable. 30-50 mhz / 144-173 mhz / 450-470 mhz. Also has 2 crystal positions for each of the above bands. Will align to your specs for maximum sensitivity. $ 50.00. Guaranteed 90 days. Contact: BOB AHERN (MA-088) by phone at 617-251-7216.

FOR SALE: Used scanners aligned to your specs for maximum sensitivity within any band, Federal included. Contact: BOB AHERN (MA-088) by phone at 617-251-7216.

FOR SALE: Frequency list. Will make paper copies of March 6, 1981 FCC microfiche listing of all FCC licensees in Oregon. Approximately 145 pages; 16,971 assignments, alphabetical by city then frequency, giving service code, call sign, and licensee name. $ 8.00 to cover cost of paper copies from fiche, postage & handling. Enclose any Oregon Federal frequency information you might wish to share and I will pass it along for free to all purchasers. Contact: JIM LOCKWOOD (VA-022), 2510 skopil Ave. S., Salem, OR 97302.

FOR SALE: Fanon Scanfare VHF HL-U 4 channel pocket scanner with SCMA-1 mobile adaptor plus case & ni-cads. 4 months old. Prefer sale to New York City area members. $ 130.00. Contact: FRANK EGBERT (NY-176), 4615 Ft. Hamilton Pkwy., Brooklyn, NY 11219 or phone 212-436-9849.

WANTED: Information on how to obtain the new Bearcat 100 at the lowest possible price and on a time payment plan, without having to wait a long time for delivery of the scanner. (I can dream, can't I!!!) Contact MARKETPLACE editor.

The following is not a paid advertisement, but an announcement the board feels will be of benefit to many of the R.C.M.A. members in the LA area.

Gordon West CAOR017 a long time R.C.M.A. member is the class instructor. While the class is directed at getting you an amateur radio license, the material coverd will assist you in understanding some of the technical aspects of monitoring.

This may arrive late. If so contact 714 549 5000 you may be able to enroll during the second week of class. If not try again in January.

For R.C.M.A. members out the greater LA area, the board suggests you contact your local community colleges for similar classes. These classes may be taken at no cost or minimal cost and allow you to be part of the bands we monitor.

WEST/COAST

AMATEUR RADIO SCHOOL

HAM RADIO CLASSES

ACCELERATED Fast Quick Non-Technical Instruction
To Pass Both Novice & Technician (Voice Privileges)
FCC Tests. Only 9 Weeks Long, 1 Night A Week For 3 Hours!
Go From CB and Marine Radio to **HAM RADIO.**
Taught By California Certified Writer/Lecturer

GORDON WEST WB6N0A

Gordon West is a ham, a liced instructor through the California Community Colleges for amateur radio theory, ARRL life member, ARRL training program instructor, and an FCC Volunteer Novice examiner.

NOVICE and TECHNICIAN
BEGINNER CLASS

OCC CLASS NUMBER IS MARA 137 AD
BEGINS Sept. 14, ON MONDAYS 7-10PM

COASTLINE CLASS NUMBER IS IA 060 AB
BEGINS Sept. 8, ON TUESDAYS

- 9 Weeks—No Code or Technical Prerequisite Needed.
- Novice Code (5 wpm) and Written Test Administered In Class. This May Be The Last Class Where This Is Allowed By FCC Order!
- Prepares You For The Technician Class Test At The FCC in Long Beach. No Code Test With Novice License.
- Concentrated Study on FCC Type Test Questions & Answers. You Learn ONLY What Is Asked on The Tests.
- Past Class Test Results:
  NOVICE CLASS—Passed: 474 Failed: 0
  TECHNICIAN CLASS—Passed: 312 Failed: 14

THE NEW FCC WRITTEN EXAMS ARE NOW IN USE. PRESENT STUDY BOOKS DO NOT COVER THE NEW MATERIAL. THIS CLASS DOES COVER THE NEW MATERIAL!

NOVICE, TECHNICIAN, and GENERAL
OPERATING CLASS

THE OPERATING CLASSES WILL BEGIN IN Nov. THROUGH COASTLINE COLLEGE. COURSE NUMBER: IA 061 AB

- Prerequisite—Enrollment in A Novice Class or A Valid Novice or Higher License.
- Introduction To Amateur Radio Equipment and Accessories.
- Introduction to Various Ham Emissions
- Introduction to Ham Clubs & Magazines
- Ham Radio Operating; A New Band or Mode Each Week.
- Ham Antennas & Grounds
- Review of Typical FCC Test Questions For Technician/-General Element 3 Exam.
- Code Practice to Increase Code Speed

It's Easy to Move Up to Amateur Radio — The Space Age Hobby!

TUNE IN THE WORLD WITH HAM RADIO

CLASSES ARE FREE THROUGH ORANGE COAST COLLEGE AND COASTLINE COLLEGE DISTRICTS. CLASSES MEET ON MONDAY OR TUESDAY EVENINGS, 7-10 P.M.

REGISTRATION INFORMATION

Fall CLASSES BEGIN ON MONDAYS OR TUESDAYS, Sept. 8 OR Sept. 14. CALL, GIVE COURSE NUMBER, AND RESERVE A SPOT!
OCC PHONE #556-5772 COURSE MARA137AD
CCC PHONE #963-0824 COURSE IA 060 AB

NEXT CLASS
- BEGINNER CLASSES BEGIN ON MONDAYS OR TUESDAYS
  CALL 549-5000
- FOR DETAILS

SPECIAL WEDNESDAY CLASS IN LONG BEACH. 7 TO 10 P.M., LONG BEACH YACHT CLUB....BEGINS SEPTEMBER 16

FOR LONG BEACH YACHT CLUB CLASS INFORMATION, CALL GORDON WEST AT (714) 549-5000

VHF Marine

Rod O'Connor, Editor

Send information, articles, frequencies and how they are used, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to: Rod O'Connor, USCG Group, 259 High Street, South Portland, Maine 04106.

All Great Lakes Weather Information is from the National Weather Service Publication "WORLDWIDE MARINE WEATHER BROADCASTS" .

GREAT LAKES WEATHER BROADCASTS

COMMERCIAL MARINE RADIO STATIONS

SCHEDULED WEATHER BROADCASTS

CODED FORECASTS (MAFOR)

These coded forecasts contain Gale and Storm Warnings when they are in effect. The forecasts are prepared by National Weather Service Forecast Offices in Chicago (Lakes Superior and Michigan), Detroit (Lakes Huron and St. Clair), Cleveland (Lake Erie), and Buffalo (Lake Ontario).

Lorain, OH	WNI	26,409	6:02 and 12:02 a.m. and p.m. (Ch. 96 not used at 12:02 a.m.)
Rogers City, MI	WLC	26,57,405	6:12 and 12:12 a.m. and p.m. (Ch. 96 not used at 12:12 and 6:12 a.m.)
Saulte Ste. Marie	WLC	26	do.
Tawas City, MI (Slave Station)	WLC	26	do.
Charlevoix, MI (Slave Station)	WLC	26	do.
Sturgeon Bay, WI	KVY-604	87	6:02 and 12:02 a.m. and p.m.
Port Washington, WI	KVY-605	85	do.
Grand Marais, MI	KVY-603	87	6:02 and 12:02 a.m. and p.m.
Copper Harbor, MI	KVY-602	84	do.
Duluth, MN	KVY-601	84	do.
Ontonagon, MI	KIL-922	87	do.
Pickford, MI	KIL-923	84	
Benton Harbor, MI	KIL-924		
Alpena, MI	KIL-925	87	
Harbor Beach, MI	KIL-926	84	
Algonac, MI	KIL-927	87	
Oregon, OH	KIL-928	84	
Ripley, NY	KIL-929	84	

U.S. COAST GUARD RADIO STATIONS

SCHEDULED WEATHER BROADCASTS

Buffalo NMD-47		22	Every 3 hours after 0255
Duluth NOG-14		22	Every 3 hours after 0135
Saulte Ste Marie	NOG	22	Every 3 hours after 0005

GREAT LAKES WEATHER DATA BROADCASTS (LAWEB)

U.S. and Canadian Ship and coastal observations are broadcast by radiotelephone at 2:30 and 8:30 a.m. and p.m. E.S.T.

Lorain, OH	WWI	26,409
Sturgeon Bay, WI	KVY-604	87
Port Washington, WI	KVY-605	85
Grand Marais, MI	KVY-603	28
Copper Harbor, MI	KVY-602	84
Duluth, MN	KVY-601	26
Ontonagon, MI	KIL-922	87
Pickford, MI	KIL-923	84
Benton Harbor, MI	KIL-924	87
Alpena, MI	KIL-925	87
Harbor Beach, MI	KIL-926	84
Algonac, MI	KIL-927	87
Oregon, OH	KIL-928	84
Ripley, NY	KIL-929	84

The LAWEB contains plain language reports of wind direction and speed (in knots) and wave heights from shore stations in the Lake Region and ships underway on the Lakes. Ships' positions are given in distance in miles and direction from well-known landmarks; visibility and weather are included in all reports when visibility is less than 5/8 of a mile. Observations are taken 1 1/2 hours prior to the time of broadcast. Broadcast material is compiled by National Weather Service Forecast Office, Cleveland.

GALE AND STORM WARNING BROADCASTS

COMMERCIAL MARINE RADIO STATIONS

All warnings are broadcast on Channel 16; Rogers City, MI (WLC) broadcasts warnings on Channel 51. Warnings are transmitted on receipt and at 2-hour intervals thereafter for a period of 5 hours, unless superceded or cancelled.

Lorain, OH	WWI	On receipt and odd H+35
Rogers City, MI	WLC	On receipt and even H+45
Tawas City, MI (Slave)	WLC	do.
Charlevoix, MI (Slave)	WLC	do.
Saulte Ste Marie (Slave)	WLC	do.
Sturgeon Bay, WI	KVY-604	On receipt and odd H+35
Port Washington, WI	KVY-605	do.
Grand Marais, MI	KVY-603	do.
Copper Harbor, MI	KVY-602	do.
Duluth, MN	KVY-601	do.
Ontonagon, MI	KIL-922	do.
Pickford, MI	KIL-923	do.
Benton Harbor, MI	KIL-924	do.
Alpena, MI	KIL-925	do.
Harbor Beach, MI	KIL-926	do.
Algonac, MI	KIL-927	do.
Oregon, OH	KIL-928	do.
Ripley, NY	KIL-929	do.

In addition to the accompanying charts designating Marine Radio Stations for the Great Lakes which are now broadcasting weather information, I have a few more reports from members.

Gary (IL-073) has a few more listings, in addition to those in the May newsletter report.

Saint Louis Marine Operator works on Channels 24 (161.80 mhz.); 86 (161.925 mhz.); 27 (161.950-mhz.); and Channel 28 (162.00 mhz.); in addition to Channel 25 (161.850 mhz.), as previously listed.

U.S.C.G. Group Upper Mississippi River, located at Keokuk, Iowa gives River Stages for the Illinois, Missouri, and Mississippi Rivers on VHF Channel 22 (157.100 mhz.)

John (PA-131) provides the following information for the Monongahela River:

Locks and Dams, Navigation Channel 13 156.65 mhz.
Prelim. call for Notices to
Mariners (shifting to Ch.22)Channel 16 156.80 mhz.
Notices to Mariners broadcast at following times by USCG Group Ohio River from Owensboro, Kentucky on VHF Channel 22 (157.10 mhz.) 1000, 1300, 1345, and last report at 2200 Eastern Standard Time.

GALE AND STORM WARNING BROADCASTS

U.S. COAST GUARD RADIO STATIONS

On receipt of a message, announcement is made on Channel 16, followed by broadcast of the message on Channel 22.

Alexandria Bay, NY	NMD-35	On receipt and next odd HH035
Buffalo, NY	NMD-47	On receipt and next regular broadcast
Sault Ste. Marie, MI	NOG	On receipt and next regular broadcast
Muskegon, MI	NMD-32	On receipt and next odd HH055
Milwaukee, WI	NMP-9	On receipt and next regular broadcast
Duluth, MN	NOG-14	do.
Detroit, MI	NMD-25	do.

RADIO FREQUENCY CHANNEL DESIGNATORS

Ch. 16-156.8MHz	Ch. 22-157.1MHz	Ch. 26-161.9MHz	Ch. 28-162.0MHz
Ch. 51-2182kHz	Ch. 56-2670kHz	Ch. 57-2514kHz	409-4382.2
405- 4369.8	Ch. 84-161.825MHz	Ch. 85-161.875MHz	Ch. 87-161.975MHz

NEW MEMBERS LIST

AR 016 TARPLEY, BILLY R;PO BOX 66;COTTON PLANT, AR 72036
AZ 036 SHAW, BRYON R;6102 W GLENDALE AVE;GLENDALE, AZ 85301
AZ 037 HALE, JOHN F;2130 N SAHNARA AVE;TUSCON, AZ 85712
CAKE013 FORBES, ROBERT L;PO BOX 161;ARVIN, CA 93202
CALA436 KRONENBERG, NORMAN;6235 BECK AVE APT 301-A
NORTH HOLLYWOOD, CA 91606
CALA437 PEARSON, GEORGE E;3205 LOS FELIZ BLVD N 14206
LOS ANGELES, CA 90039
CALA438 FIELD, DENNIS;14319 S MADRIS AVE;NORWALK, CA 90650
CALA439 GLASSER, PAMELA;9251 GEYSER AVE;NORTHRIDGE, CA 91324
CALA440 VARNES, CHARLES;925 CALLE SERRA;SAN DIMAS, CA 91773
CALA441 BURT, VERYL L JR;2054 MARENGO AVE;S PASADENA, CA 91030

CALA442 DELGATTO, ANTHONY J;6658 N SULTANA;SAN GABRIEL, CA 91775
CALA443 DURSEY, JOHNNY D;6360 E GUAGE SP 2;BELL GARDENS, CA 90201
CALK002 BROWN, ROBERT L;PO BOX 121;CLEARLAKE, CA 95422
CAMO004 SHAW, MILTON W04 RET;1463 TETON AVENUE;SALINAS, CA 93906
CANA004 ROBERTS, DUNCAN I;PO BOX 3053;NAPA, CA 94558
CAOR206 GRIFFIN, GREG;7565 21ST STREET APT A
WESTIMESTER, CA 92683
CAOR207 SCHAFFER, HYME;13421 SISKIYOU ST;WESTMINSTER, CA 92683
CAOR208 COMMUNICATIONS SPECIALISTS;426 WEST TAFT AVE
ORANGE, CA 92667
CAOR209 ARCINIEGA, ROBERT;8523 CARNATION DR;BUENA PARK, CA 90620
CAPL001 HAMMER, MAJ. RON;821 ELISA WAY;ROSEVILLE, CA 95678
CAPU001 LAWRY, WARREN L;PO BOX 363;QUINCY, CA 95971
CARI039 KREIS, GEORGE A;10320 CALIMESA BLVD SP 61
CALIMESA, CA 92320
CARI040 STEWART, RICHARD A;PO BOX 4595;RIVERSIDE, CA 92504
CASB041 CASTILLO, ROY H;1359 MILBURN AVE;REDLANDS, CA 92373
CASC026 JONES, DALE W;3130 ROOT AVENUE;CARMICHAEL, CA 95608
CASC027 HERSCHBACH, ALBERT E;1134 TELFER AVE;SAN JOSE, CA 95125
CASD044 FRY, RICHARD C;18175 VICEROY DR;SAN DIEGO, CA 92128
CASD045 LOEFFLER, DONALD E;9182 LOMA ST;VILLA PARK, CA 92667
CASF022 DINKELSPIEL, PAUL G;111 PINE ST;SAN FRANCISCO, CA 94111
CASL005 FRANKE, GERRY;1471 GULF STREET;SAN LUIS OBISPO, CA 93401
CASR014 DATIN, CHARLES C.;PO BOX 534;LOS OLIVOS, CA 93441
CAVE023 FRICK, W.C.;P.O. BOX 1024;PORT HUENEME, CA 93041
CO 032 MADDEN, JOYCE P;8356 E PRINCETON AVE;DENVER, CO 80237
CT 053 MOZDZEN, JOSEPH;131 CLIFTON ST;WALLINGFORD, CT 06492
CT 054 KLAFF, JOHN;216 DOVER STREET;STRATFORD, CT 66497
DE 011 MEYERS, JOHN M;BENGE RD BOX 93 ROUTE 2
HOCKESSIN, DE 19707
FL 121 EICHEL, CHARLES H;807 PERKINS LANE;NOKOMIS, FL 33555
FL 122 MULHALL, THOMAS F;121 HOLLIDAY LAKE DR E
HOLLIDAY, FL 33580
FL 123 GREGORY, JOHN A;2418 STANFORD DR;COCOA, FL 32922
IA 031 POWERS, BOB;328 CLINTON STREET APT 4;BOONE, IA 50036
IL 190 SHEPHERD, GREG;321 RILEY DR N 8;BLOOMINGTON, IL 61701
IL 191 EGAN, JAMES;1520 N 53RD STREET;EAST ST LOUIS, IL 62204
IL 192 PAINTER, JAMES A;23 JOHNS LANE;AURORA, IL 60505
IL 193 KROECK, GEORGE J;2608 W 24TH;CHICAGO, IL 60608
IL 194 DAY, WILLIAM R;ROUTE 2;MT. VERNON, IL 62864
IL 195 KIMBALL, ART LEWIS;802 N PARKE STREET;TUSCOLA, IL 61953
IL 196 BIEDRON, FRANK;3805 W WRIGHTWOOD AVE;CHICAGO, IL 60647
IL 197 REDMOND, KEVIN;11027 S PULASKI RD;CHICAGO, IL 60655
IN 054 STINEMAN, LARRY;26495 C.R. 6 EAST;ELKHART, IN 46514
IN 055 HENDERSON, DONALD D;RR N 1;ANGOLA, IN 46703
KY 027 SELDERS, MARY L;141 CRESTVIEW RD;RUSSELL, KY 41169
KY 028 BARTLETT, RICHARD L;261 LEAWOOD DR;LEXINGTON, KY 40502
MA 097 MUGAR, DAVID G.;PO BOX 38;BELMONT, MA 02178
MA 098 ZIGARMI, PETER;343 ASHMONT ST;DORCHESTER, MA 02121
MD 056 LASNER, LT COL EDWIN;19913 ARMOR COURT;SEVERN, MD 21144
ME 016 LARRY, ROBERT W;BOX 76;BAR MILLS, ME 04004
ME 017 DINAN, WILLMAN M JR;93 GOVERNMENT ST;KITTERY, ME 03904
MI 095 LURE, HOWARD J;10851 ANDRES;ALLEN PARK, MI 48101
MI 096 MITCHELL, DAVID I;623 N BROAD ST;ADRIAN, MI 49221
MI 097 SMITH, TERRY L;1833 BROWN SCHOOL RD;ST JOSEPH, MI 49085
MI 098 HARRINGTON, LLOYD;3838 CLYDE PARK SW
GRAND RAPIDS, MI 49509
MN 031 AHOLA, HAROLD;PO BOX 276;TWO HARBORS, MN 55616
MO 054 BEACHAM, GEORGE F JR;8233 NE FLAGOR;KANSAS CITY, MO 64118
MO 055 EDDIE, RICHARD T;152 WEST ROSE;ST LOUIS, MO 63119
MO 056 LEROY J;ST CHARLES, MO 63301
MO 057 JACKSON, RANDALL;3041 SENECA;ST JOSEPH, MO 64507
MO 058 SHER, MARVIN;12039 TANGLETREE DRIVE;CREVE COEUR, MO 63141
MO 059 SHUBERT, GAIL;RT 1;DOWNING, MO 63536
MO 060 SAALI, DAVID J JR;725 TESON RD;HAZELWOOD, MO 63042

MO 061 WHEELER, ROY;4721 ASHLAND CT;ST LOUIS, MO 63115
NB 006 PLACZEK, JAMES M;3473 WASHINGTON ST;OMAHA, NB 68107
NC 032 THARRINGTON, RICK;710 YULAN DR;WILMINGTON, NC 28403
NC 033 LAUGHRUN, JIM;4810 WELWYN ROAD;WINSTON-SALEM, NC 27104
NC 034 HOLLAND, RALPH E;PO BOX 637;FREMONT, NC 27830
NC 035 CARTNER, ROBERT W;PO BOX 1533;STATESSVILLE, NC 28677
NC 036 JOHN T;RURAL HALL, NC 27045
NC 037 STARKEY, WILLIAM D;5206 HUNTERS TRAIL
WILMINGTON, NC 28403
NJ 128 CYR, CATHERINE;PO BOX 7304;NORTH BERGEN, NJ 07047
NJ 129 HERRON, ROBERT J;1206 S CHESTNUT;PRINCETON, NJ 61356
NJ 130 YOUNG, CHUCK;511 CINNAMINSON AVE;PALMYRA, NJ 08065
NJ 131 FELTMAN, HENERY JR;20 PROGRESS AVE;WOODBURY, NJ 08096
NJ 132 WHELAN, JOSEPH E;616 GRIER AVE;ELIZABETH, NJ 07202
NM 008 TOTH, LUDVIG;2712 LOUISIANA NE;ALBUQUERQUE, NM 87110
NM 009 ATKINSON, F.W.;1506 GRANT;CARLSBAD, NM 88220
NY 180 HUBERTUS, THOMAS W;BOX 208;MASTIC BEACH, NY 11951
NY 181 LEWANDOWSKI, RICHARD;312 MULLET ST;DUNKIRK, NY 14048
OH 112 LITTLE, THOMAS E;2343 OLDE STONE CT APT 1
TOLEDO, OH 43614
OH 113 KAAZ, ROY;2961 CARROLL AVE;CINCINNATI, OH 45211
OH 114 JACOBS, JAMES;331 W ST JAMES CIRCLE;HOLLAND, OH 43528
OH 115 EDDY, JEFFREY L;ROUTE 3 BOX 38;DOVER, OH 44622
OH 116 BURNAP, JAMES L;202 W MAIN RD 127;CONNEAUT, OH 44030
PA 141 ANTHONY, ROGER;R.D. 1;GERMANSVILLE, PA 18053
PA 142 CROWE, DAVID B;1086 MULDOWNEY AVE;PITTSBURG, PA 15207
PA 143 BURKE, JESSE L.;2121 CHICHESTER AVE;BOOTHWYN, PA 19061
PA 144 CIONGOLI, ANDREW;208 SHACKELFORD DRIVE
MONROEVILLE, PA 15146
PA 145 KENNEDY, PAUL M;1280 COX RD;RYDAL, PA 19046
RI 012 LEMIEUX, L. P.;19 CARPENTER ST;NS. WOONSOCKET, RI 02895
RI 013 STAPLES, ALLISON H;9 LARCHMER DRIVE;RUMFORD, RI 02916
SD 005 VALIN, BILL;270 BILLY MITCHELL;ELLSWORTH AFB, SD 57706
TN 021 ROOKE, JAMES L;PO BOX 156;WATAUGA, TN 37694
TX 096 FITZGERALD, JOHN M;6230 ABERDEEN;DALLAS, TX 75230
VA 057 THOMPSON, STEPHEN K;108 WEST HOWELL AVENUE
ALEXANDRIA, VA 22301
VA 058 CARTER, CARROLL D;6045 STONEWALL PKWY APT 302
MECHANICSVILLE, VA 23111
VA 059 LESTER, BILL;5400 30TH ST N;ARLINGTON, VA 22207
WA 030 PECK, DAVID F MD;22910 -83RD PL W;EDMONDS, WA 98020
WA 031 ABBOTT, ALLEN L;4130 188TH ST SW;LYNNWOOD, WA 98036
WI 044 HUNTER, ELDEN;3049 N 83RD ST;MILWAUKEE, WI 53222
076CANA HILLRICH, JORDAN;732 QUEEN STREET;REGINA, SASK
CANADA S4T 4A3

AL.....14
AR.....13
AZ.....31
CA.....799
CO.....28
CT.....41
DC.....7
DE.....10
FL.....107
GA.....31
HI.....5
IA.....25
ID.....5
IL.....165
IN.....35
KS.....21
KY.....24
LA.....20
MA.....89
MD.....49
ME.....15
MI.....75
MN.....26
MO.....52
MS.....16
MT.....3
NB.....4
NC.....32
ND.....4
NH.....12
NJ.....116
NM.....9
NV.....11
NY.....145
OH.....92
OK.....17
OR.....33
PA.....134
PR.....2
RI.....9
SC.....10
SD.....5
TN.....18
TX.....84
UT.....8
VA.....49
VT.....2
WA.....26
WI.....39
WV.....14
WY.....4
ARUB.....1
AUST.....1
BERM.....2
CANA....62
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ICLD.....1
INDO.....1
MEXI.....2
NIRE.....2
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NZEL.....1
SAAR.....1
SWED.....2

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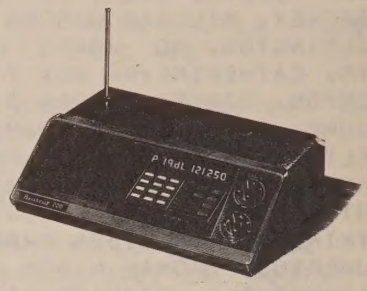

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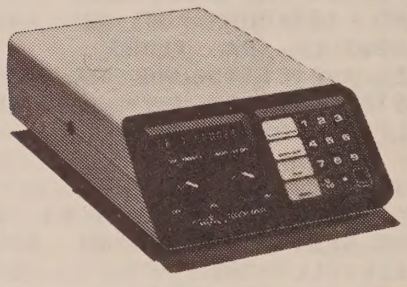

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OVER A DECADE OF SERVICE IN COMMUNICATIONS

NEWS

The R.C.M.A. Board is taking this opportunity to answer the many letters of inquiry we have had on the following topics.

MEMBERSHIP CARDS AND BADGES

The R.C.M.A. has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. Other clubs may have several gimmics or commercial good deals. Our good deal is the newsletter, which you as members get to write.

MEMBERSHIP RENEWAL DATE

The date printed by your membership number on your label shows the last month of your current membership. You should renew by this date to insure continuous reception of the newsletter.

Several misunderstandings have occurred due to the fact the newsletter we mail this month is carrying a cover date of next month. The advanced date is used to allow USPS to deliver your newsletter to you on time. Your letter is mailed approximately four days after the monthly board meetings.

PRORATED MEMBERSHIPS

To save postage and other complications, if your original membership application was not accompanied by the correct amount. You received a prorated membership label of less than 12 months. Please do not send in the extra amount to finish the year, just renew when your prorated date comes up.

SPECIAL FREQUENCY REQUESTS

Contact your local R.C.M.A. group for frequencies in your area or use the contact column of the newsletter. We are not yet set up for a national distribution of frequencies. We have discussed this possibility, but the current logistics of the newsletter has stopped us. Ultimately the big picture would include copies of the F.C.C. and I.R.A.C. data bases, a fast computer, and software to select and sort in any order. e.g. Frequencies along route 66 from Chicago to Tulsa in order of the cities passed. Should anyone want to bluesky on this announce your intentions in the Contact Column. We will get there. The Auto Club can plan a road trip, we should be able to give you a frequency map someday....

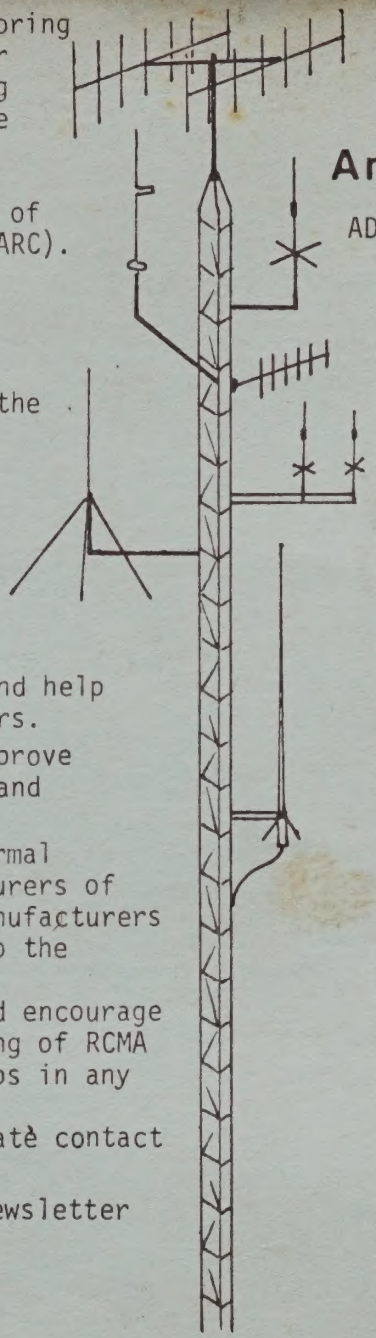
MATERIAL FOR EDITORS

Please send frequency reports and comments directly to the appropriate editor. Until we get the big data base system, the use of a central distribution P.O. Box for everything has lots of delays.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications above 30 MHz as a hobby. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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